

Testing Laboratory
3787

RADIO TEST REPORT

FCC ID : 2AHKM-ARIA2110
Equipment : Wi-Fi 6 Extender
Brand Name : Hitron
Model Name : ARIA2110
Applicant : Hitron Technologies Inc.
No. 1-8, Li-Hsin 1st Rd. Hsinchu Science Park,
Hsinchu 30078, Taiwan
Manufacturer : Hitron Technologies Inc.
No. 1-8, Li-Hsin 1st Rd. Hsinchu Science Park,
Hsinchu 30078, Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Oct. 19, 2022, and testing was started from Jan. 03, 2023 and completed on May 04, 2023. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)



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TEL : 886-3-656-9065
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Report Template No.: CB-A10_10 Ver1.3



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sam Chen

Report Producer: Viola Huang



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), VHT20, ax (HEW20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), VHT40, ax (HEW40)	2422-2452	3-9 [7]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	11b	20	2
2.4-2.4835GHz	11g	20	2
2.4-2.4835GHz	802.11n HT20	20	2
2.4-2.4835GHz	802.11n HT20-BF	20	2
2.4-2.4835GHz	802.11ac VHT20	20	2
2.4-2.4835GHz	802.11ac VHT20-BF	20	2
2.4-2.4835GHz	802.11ax HEW20	20	2
2.4-2.4835GHz	802.11ax HEW20-BF	20	2
2.4-2.4835GHz	802.11n HT40	40	2
2.4-2.4835GHz	802.11n HT40-BF	40	2
2.4-2.4835GHz	802.11ac VHT40	40	2
2.4-2.4835GHz	802.11ac VHT40-BF	40	2
2.4-2.4835GHz	802.11ax HEW40	40	2
2.4-2.4835GHz	802.11ax HEW40-BF	40	2

Note:

- ♦ 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- ♦ 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	2	HONGBO	290-20487	Dipole Antenna	I-PEX	Note 1
2	1	HONGBO	290-20486	Dipole Antenna	I-PEX	
3	2	HONGBO	290-20489	Dipole Antenna	I-PEX	
4	1	HONGBO	290-20490	Dipole Antenna	I-PEX	

Note 1:

Ant.	Gain (dBi)				
	WLAN 2.4GHz	WLAN 5GHz UNII 1	WLAN 5GHz UNII 2A	WLAN 5GHz UNII 2C	WLAN 5GHz UNII 3
1	3.6	-	-	-	-
2	3.6	-	-	-	-
3	-	3.5	4.3	4.2	3.5
4	-	3.1	3.1	3.1	3.3

Note 2: Directional gain information

Type	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left[\sum_{k=1}^{N_{ANT}} g_{j,k} \right]^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left[\sum_{k=1}^{N_{ANT}} g_{j,k} \right]^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left[\sum_{k=1}^{N_{ANT}} g_{j,k} \right]^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left[\sum_{k=1}^{N_{ANT}} g_{j,k} \right]^2}{N_{ANT}} \right]$$

$$NSS1(g1,1) = 10^{G1/20}; NSS1(g1,2) = 10^{G2/20};$$

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2))^2$$

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2))^2 / N_{ANT}] \Rightarrow 10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$$

Where ;

5G Band1 G1= 3.5 dBi ;5G Band1 G2= 3.1 dBi ;DG= 6.31dBi

5G Band2 G1= 4.3 dBi ;5G Band2 G2= 3.1 dBi ;DG= 6.73dBi

5G Band3 G1= 4.2 dBi ;5G Band3 G2= 3.1 dBi ;DG= 6.68dBi

5G Band4 G1= 3.5 dBi ;5G Band4 G2= 3.3 dBi ;DG= 6.41dBi

2.4G G1= 3.6 dBi ;2.4G G2= 3.6 dBi ;DG= 6.61dBi



Note 3: The above information was declared by manufacturer.

Note 4: **For 2.4GHz function:**

For IEEE 802.11 b/g/n/VHT/ax (2TX/2RX):

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11a/n/ac/ax (2TX/2RX):

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11b	0.995	0.02	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11g	0.961	0.17	1.4m	1k
802.11ax HEW20	0.838	0.77	316.25u	10k
802.11ax HEW40	0.9	0.46	547.344u	3k

Note:

- ♦ DC is Duty Cycle.
- ♦ DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/VHT/ax in 2.4GHz, n/ac/ax in 5GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	QA Tool MT7915 QA 0.0.2.33			

Note: The above information was declared by manufacturer.

1.1.5 EUT Support Function

The EUT supports AP Router and Extender mode, only AP Router mode was tested and recorded in this test report.

**1.1.6 Table for EUT Exterior**

EUT No.	Color of Exterior
1	Black
2	White

Note 1: From the above listing, EUT 1 was selected for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.



1.2 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR FCC Part 15.247
- ♦ ANSI C63.10-2013

The following reference test guidance is not within the scope of accreditation of TAF.

- ♦ FCC KDB 558074 D01 v05r02
- ♦ FCC KDB 662911 D01 v02r01
- ♦ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location Information	
Test Lab. : Sporton International Inc. Hsinchu Laboratory	
Hsinchu	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)
(TAF: 3787)	TEL: 886-3-656-9065 FAX: 886-3-656-9085
Test site Designation No. TW3787 with FCC.	
Conformity Assessment Body Identifier (CABID) TW3787 with ISED.	

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH02-CB	Gino Huang	24.1~24.5 / 61~68	Feb. 10, 2023
Radiated below 1GHz	03CH03-CB	Richard Pai	20.2~21.3 / 56~59	Jan. 03, 2023~Apr. 28, 2023
	03CH05-CB	Richard Pai	21.2~22.3 / 65~67	
Radiated above 1GHz	03CH04-CB	Ederson Huang	22.7~23.3 / 59~60	Feb. 06, 2023~Feb. 09, 2023
AC Conduction (Mode 1)	CO01-CB	Tim Chen	23~24 / 58~60	Jan. 04, 2023
AC Conduction (Mode 2)	CO01-CB	Tim Chen	23~24 / 58~60	May 04, 2023

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	3.2 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.2 dB	Confidence levels of 95%
Bandwidth Measurement	2.0 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	18
2417MHz	20
2437MHz	22
2457MHz	19
2462MHz	19
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	17
2417MHz	18
2437MHz	22
2457MHz	18
2462MHz	17.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	15
2417MHz	15.5
2437MHz	18
2462MHz	16.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	15.5
2437MHz	15.5
2452MHz	16
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	15
2417MHz	15.5
2437MHz	18
2462MHz	16.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	15.5
2437MHz	15.5
2452MHz	16

Note1: Evaluated HEW20/HEW40 mode only, due to similar modulation. The power setting of HT20/HT40/VHT20/VHT40 mode are the same or lower than HEW20/HEW40.

Note2: The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	Normal Link - EUT 1 + AP Router + RJ-45 cable 1 + adapter
2	Normal Link - EUT 1 + AP Router + RJ-45 cable 2 + adapter
Mode 1 generated the worst test result, so it was recorded in this report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
	After evaluating, the worst case was found at Y axis from Emissions in Restricted Frequency Bands above 1GHz. So the measurement will follow this same test configuration.
1	Normal Link - EUT 1 in Y axis + AP Router + RJ-45 cable 1 + adapter
2	Normal Link - EUT 1 in Y axis + AP Router + RJ-45 cable 2 + adapter
Mode 1 generated the worst test result, so it was recorded in this report.	
Operating Mode > 1GHz	CTX
	After evaluating, the worst case was found at Y axis. So the measurement will follow this same test configuration.
1	EUT 1 in Y axis_2.4GHz



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA260727 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter	AMIGO	AMS200-1202000FU	Input: 100-240V ~ 50/60Hz, 0.8A Max Output: 12V, 2.0A
Others			
RJ-45 cable 1*1, Color: Green, Non-shielded, 1.5m			
RJ-45 cable 2*1, Color: Yellow, Non-shielded, 1m			

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	DELL	T3400	N/A
B	WAN NB	DELL	E6430	N/A
C	2.4G NB	DELL	T3400	N/A
D	5G NB	DELL	T3400	N/A

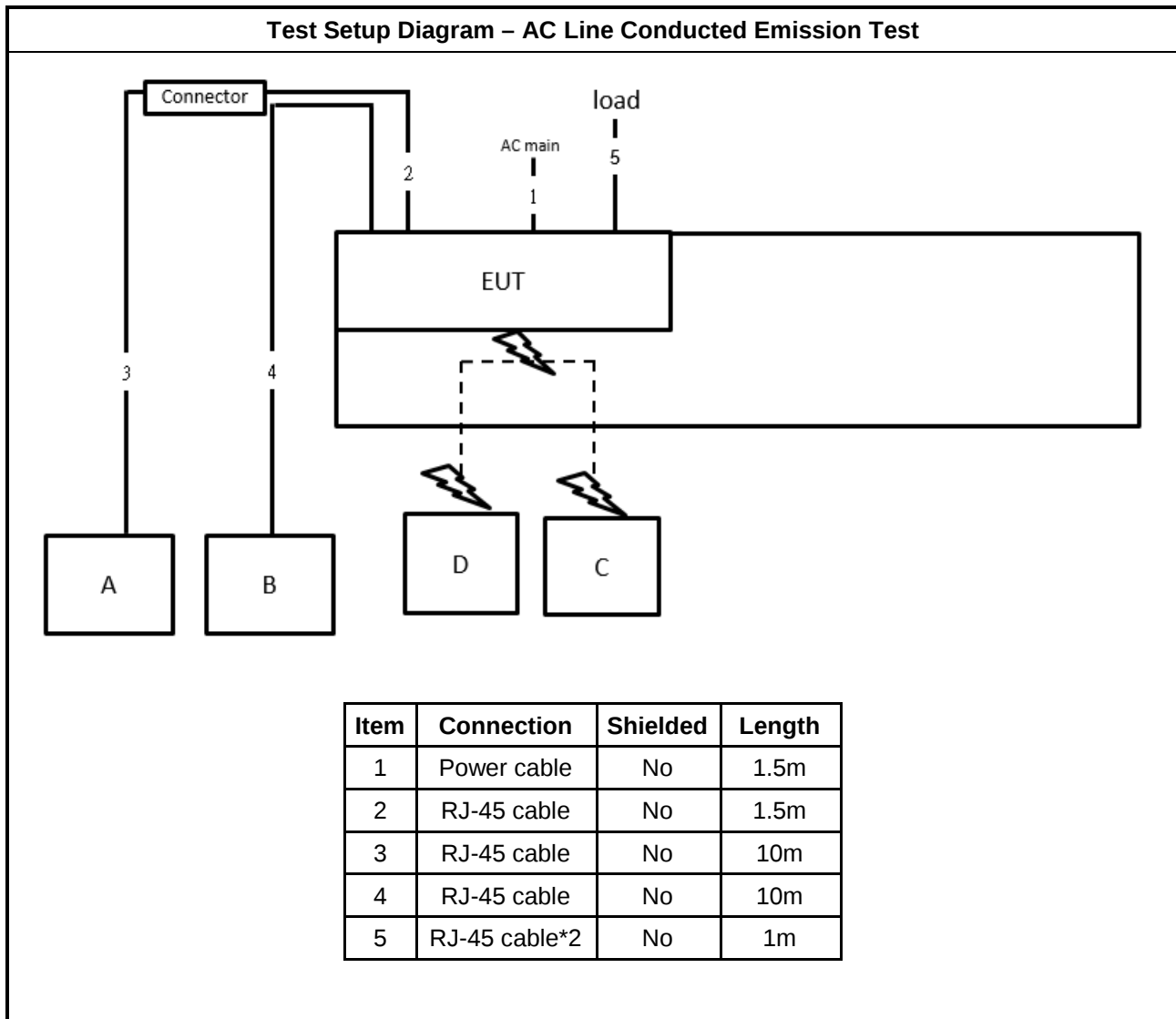
**For Radiated (below 1GHz):**

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN Notebook	DELL	E4300	N/A
B	2.4G Notebook	Apple	A1278	N/A
C	5G Notebook	Apple	A1278	N/A
D	WAN Notebook	DELL	E4300	N/A

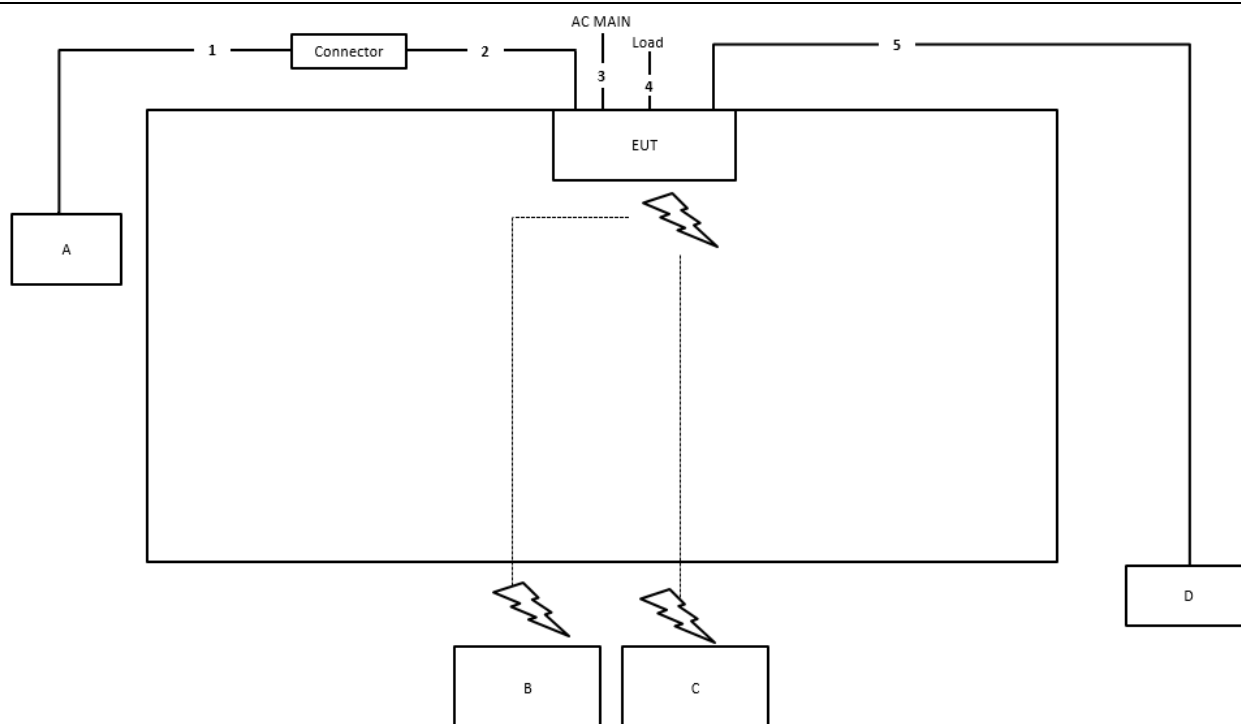
For Radiated (above 1GHz) and RF Conducted:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A

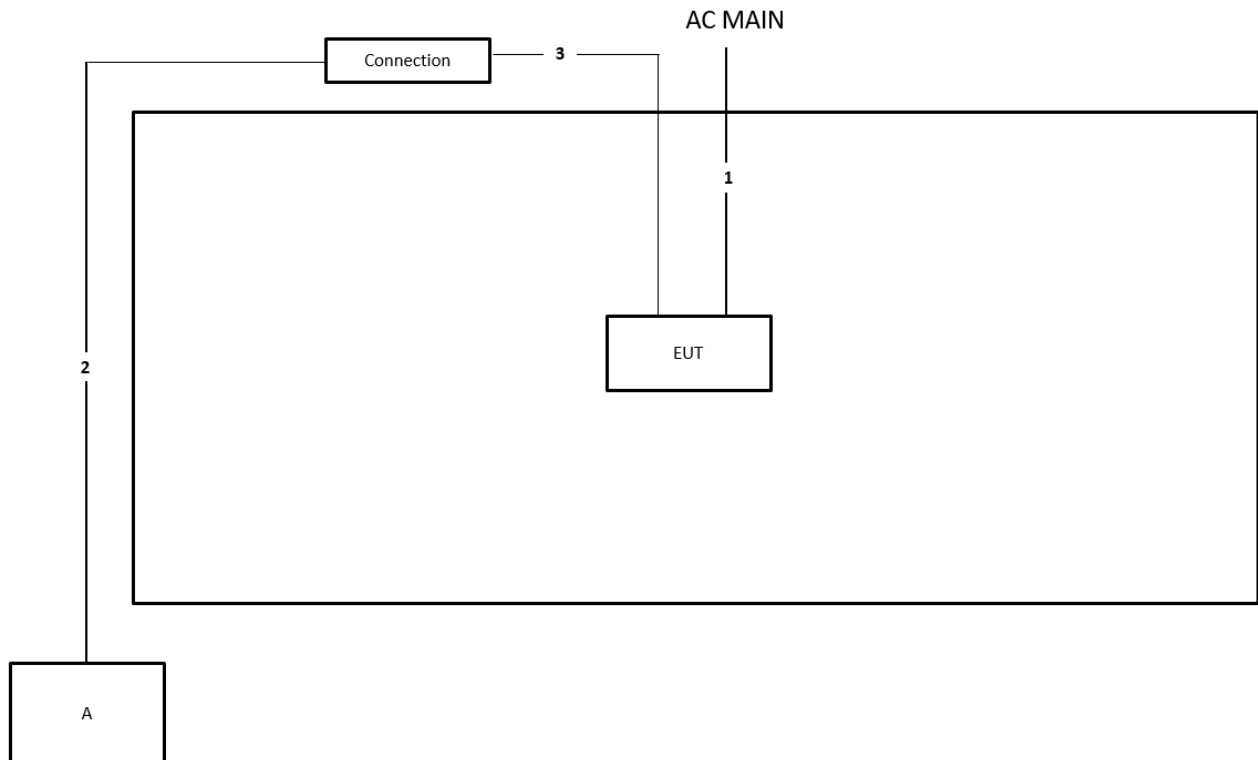
2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	1.5m
3	Power cable	No	1.5m
4	RJ-45 cable*2	No	1.5m
5	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test > 1GHz


Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.5m



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

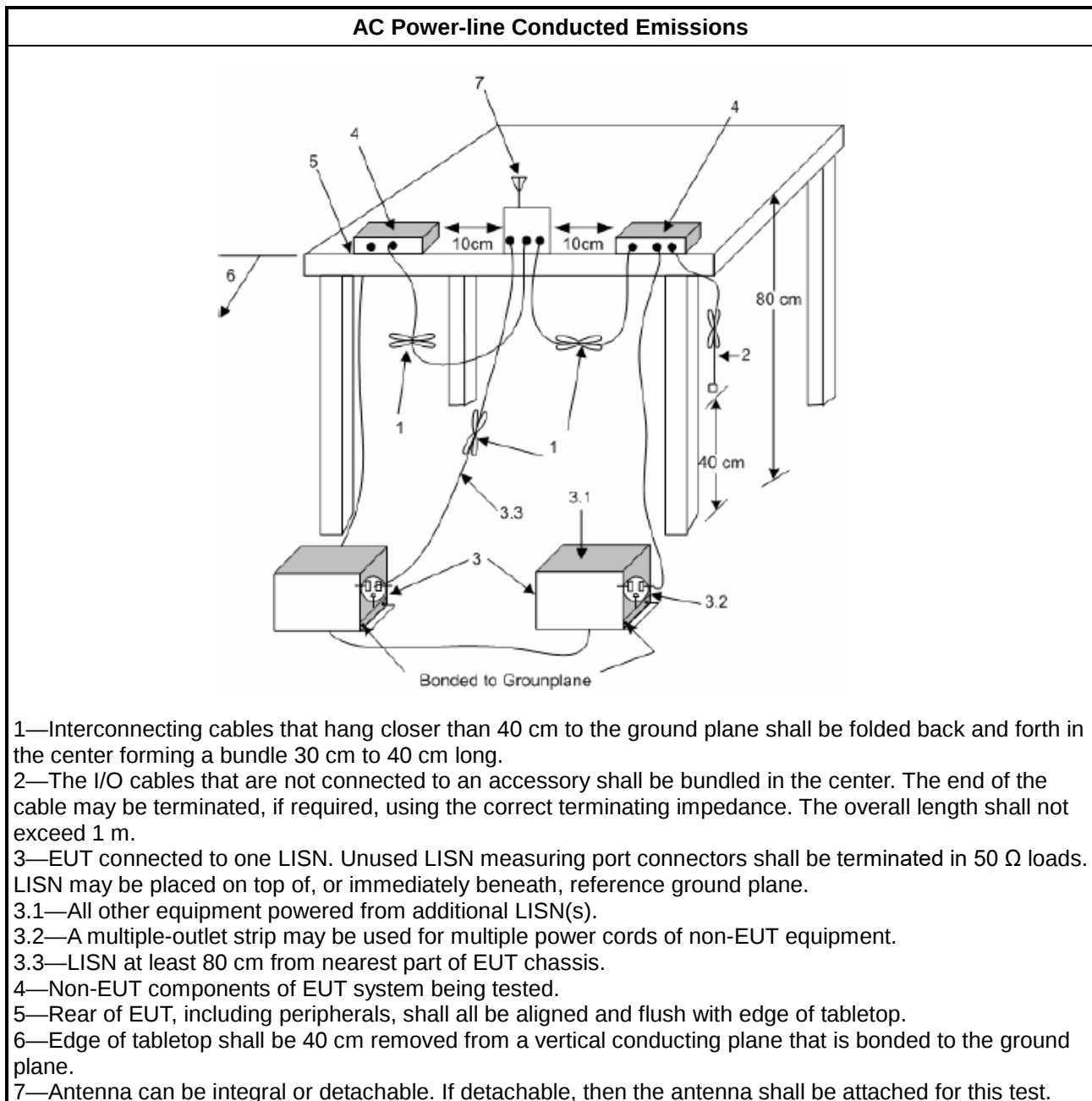
3.1.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
6 dB bandwidth $\geq$ 500 kHz.

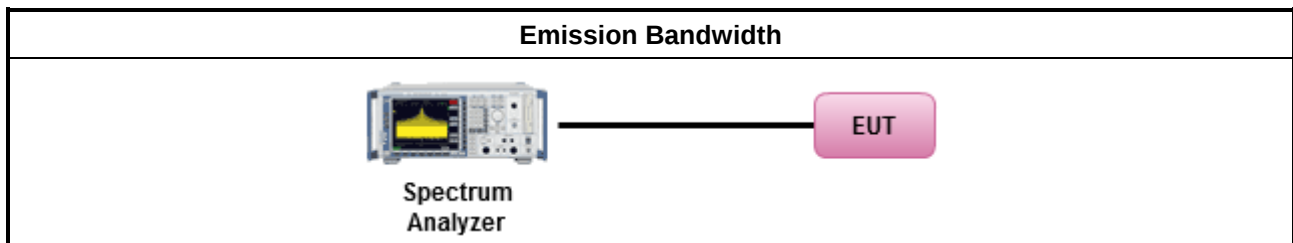
3.2.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method
For the emission bandwidth shall be measured using one of the options below:
☒ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
☐ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
☐ Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
	▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	▪ Smart antenna system (SAS):
	- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

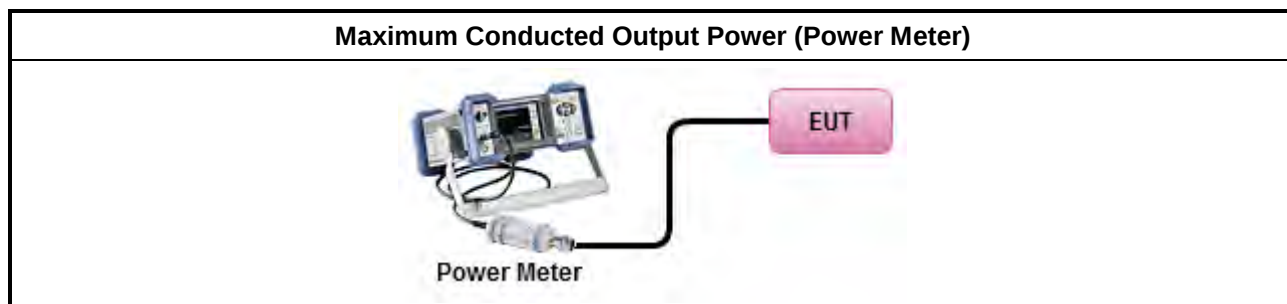
3.3.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method	
Maximum Peak Conducted Output Power	
☐	Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
☐	Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
Maximum Conducted Output Power	
	[duty cycle ≥ 98% or external video / power trigger]
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
	duty cycle < 98% and average over on/off periods with duty factor
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
☐	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
	Measurement using a power meter (PM)
☐	Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
☒	Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
For conducted measurement.	
	If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit
▪ Power Spectral Density (PSD) ≤ 8 dBm/3kHz

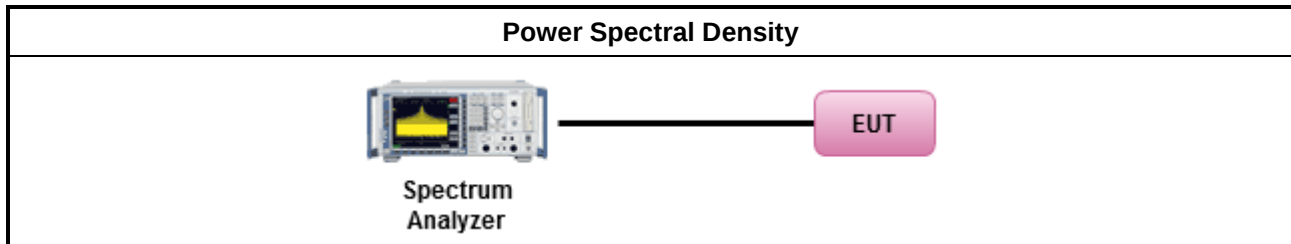
3.4.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

Test Method	
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).	
☒	Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD.
▪ For conducted measurement.	
▪ If The EUT supports multiple transmit chains using options given below:	
☒	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
☐	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
☐	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dBc)
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.	

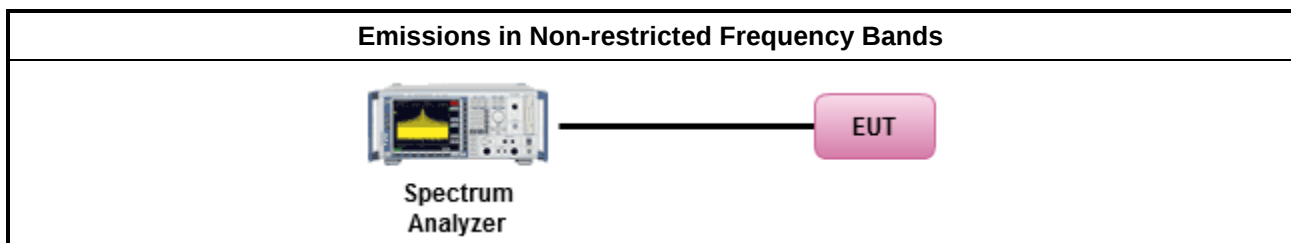
3.5.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method
Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

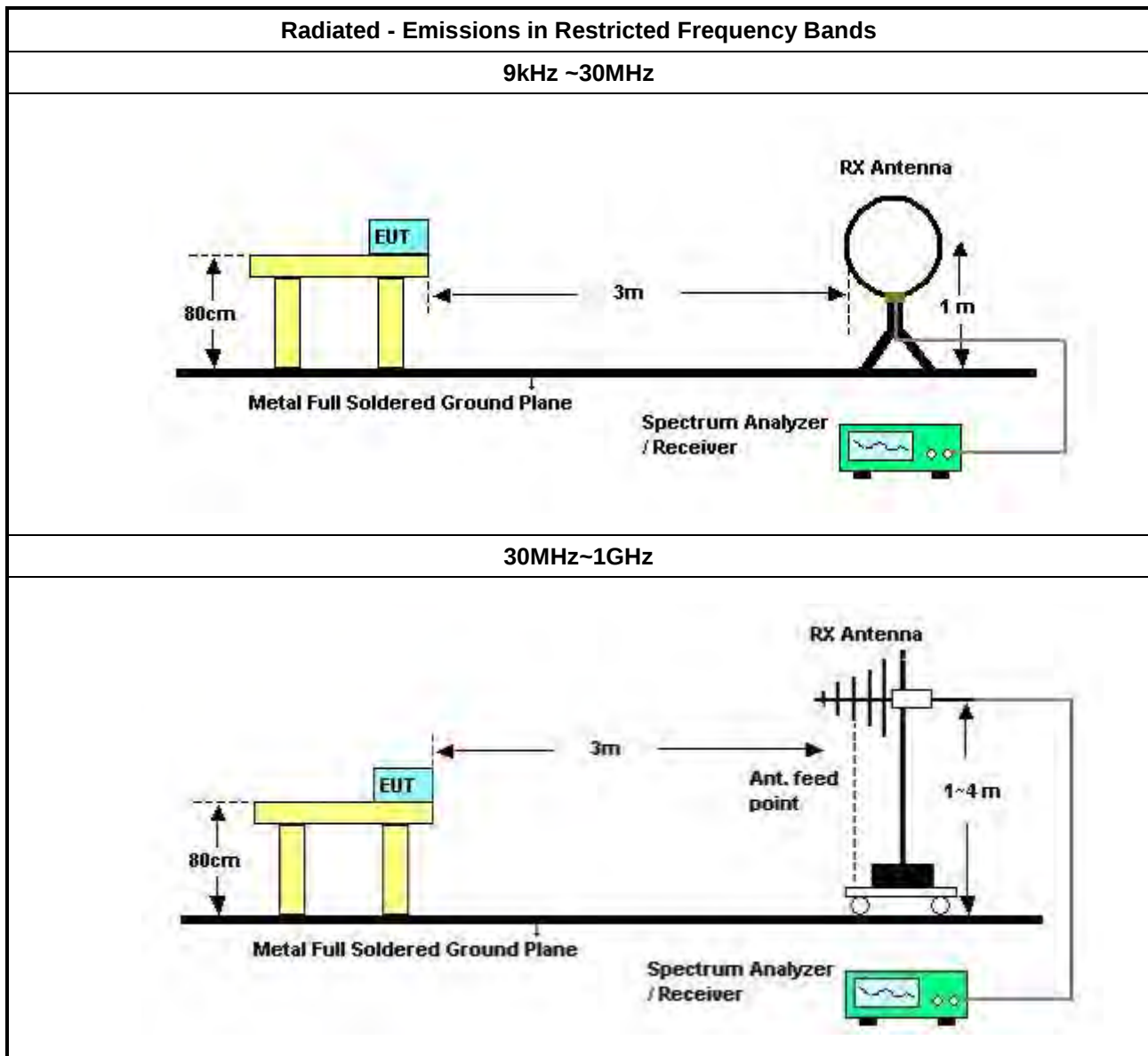
3.6.2 Measuring Instruments

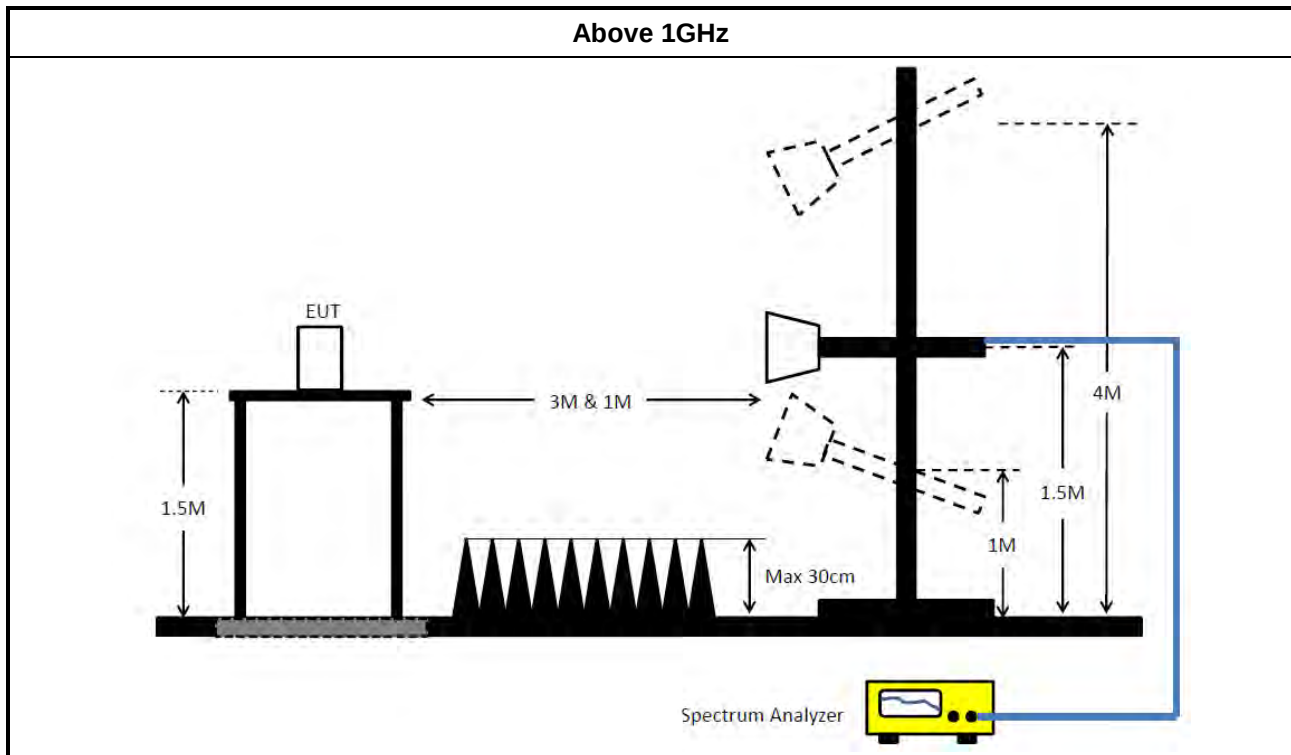
Refer a test equipment and calibration data table in this test report.

**3.6.3 Test Procedures**

Test Method	
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].	
▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
▪ For the transmitter unwanted emissions shall be measured using following options below:	
	▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle $\geq 98\%$).
	☐ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
	☒ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW $\geq 1/T$).
	☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq 1/T$, where T is pulse time.
	☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	☒ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
▪ For the transmitter band-edge emissions shall be measured using following options below:	
	▪ Refer as FCC KDB 558074 clause 8.7 & C63.10 clause 11.13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
	▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
	▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB
	▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

3.6.4 Test Setup





3.6.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 22, 2022	Feb. 21, 2023	Conduction (CO01-CB)
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 20, 2023	Feb. 19, 2024	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 09, 2022	Feb. 08, 2023	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 16, 2023	Feb. 15, 2024	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 12, 2022	Apr. 11, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Dec. 20, 2022	Dec. 19, 2023	Conduction (CO01-CB)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 10, 2022	Feb. 09, 2023	Conduction (CO01-CB)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 09, 2023	Feb. 08, 2024	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	May 14, 2022	May 13, 2023	Radiation (03CH03-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH03-CB	30 MHz ~ 1 GHz	Jan. 26, 2022	Jan. 25, 2023	Radiation (03CH03-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH03-CB	30 MHz ~ 1 GHz	Jan. 17, 2023	Jan. 16, 2024	Radiation (03CH03-CB)
Bilog Antenna with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	2928 & AT-N0608	20MHz ~ 2GHz	Feb. 21, 2022	Feb. 20, 2023	Radiation (03CH03-CB)
Bilog Antenna with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	2928 & AT-N0608	20MHz ~ 2GHz	Feb. 19, 2023	Feb. 18, 2024	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8447D	2944A10259	9kHz ~ 1.3GHz	Jan. 10, 2022	Jan. 09, 2023	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8447D	2944A10259	9kHz ~ 1.3GHz	Jan. 09, 2023	Jan. 08, 2024	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 10, 2022	Jun. 09, 2023	Radiation (03CH03-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+29	30MHz ~ 1GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	May 14, 2022	May 13, 2023	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 03, 2022	Aug. 02, 2023	Radiation (03CH05-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Bilog Antenna with 6dB Attenuator	TESEQ & EMC	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 25, 2022	Mar. 24, 2023	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMC	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 24, 2023	Mar. 23, 2024	Radiation (03CH05-CB)
Amplifier	EM	EM101	060703	10MHz ~ 1GHz	Oct. 19, 2022	Oct. 18, 2023	Radiation (03CH05-CB)
Signal Analyzer	R&S	FSV3044	101321	9kHz ~ 44GHz	Jun. 13, 2022	Jun. 12, 2023	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 24, 2022	Feb. 23, 2023	Radiation (03CH04-CB)
Horn Antenna	ETS-Lindgren	3115	00143147	750MHz~18GHz	Oct. 12, 2022	Oct. 11, 2023	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 28, 2022	Mar. 27, 2023	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Aug. 15, 2022	Aug. 14, 2023	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Oct. 17, 2022	Oct. 16, 2023	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Oct. 17, 2022	Oct. 16, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)

**RADIO TEST REPORT****Report No. : FR260727AA**

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1 GHz –26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)

Note: Calibration Interval of instruments listed above is one year.

N.C.R. means Non-Calibration required.



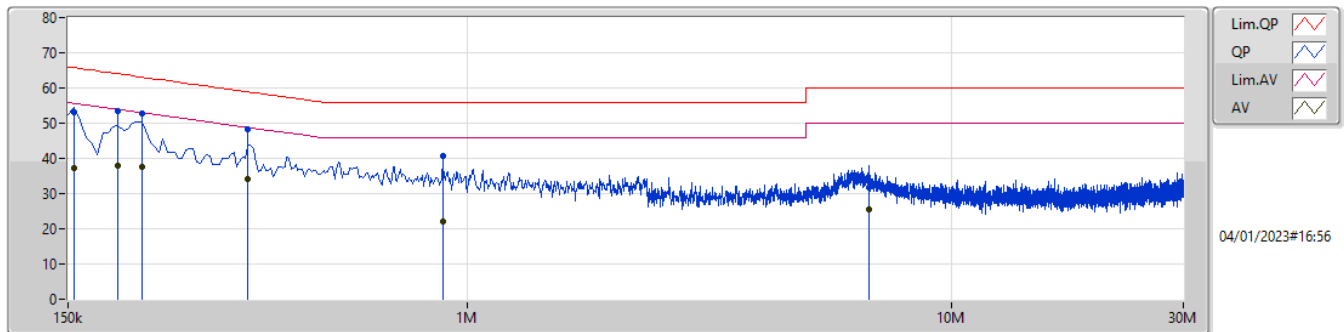
Conducted Emissions at Powerline

Appendix A

Summary

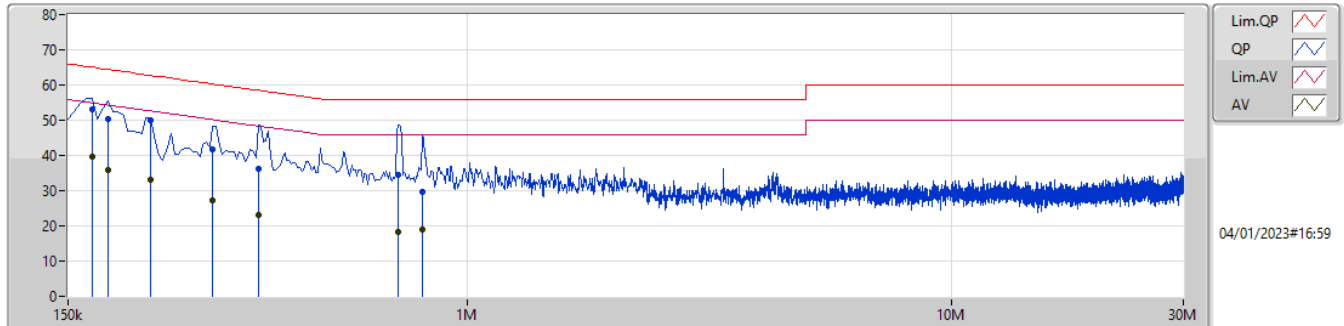
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	213k	52.73	63.09	-10.36	Line

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	154.5k	53.08	65.75	-12.67	9.99	Line	-	43.09	0.06	0.04	9.89						
AV	154.5k	37.38	55.75	-18.37	9.99	Line	-	27.39	0.06	0.04	9.89						
QP	190.5k	53.48	64.01	-10.53	9.99	Line	-	43.49	0.06	0.04	9.89						
AV	190.5k	37.83	54.01	-16.18	9.99	Line	-	27.84	0.06	0.04	9.89						
QP	213k	52.73	63.09	-10.36	9.99	Line	"Worst"	42.74	0.06	0.04	9.89						
AV	213k	37.74	53.09	-15.35	9.99	Line	-	27.75	0.06	0.04	9.89						
QP	352.5k	48.24	58.91	-10.67	10.01	Line	-	38.23	0.06	0.06	9.89						
AV	352.5k	34.22	48.91	-14.69	10.01	Line	-	24.21	0.06	0.06	9.89						
QP	892.5k	40.71	56.00	-15.29	10.00	Line	-	30.71	0.07	0.04	9.89						
AV	892.5k	22.15	46.00	-23.85	10.00	Line	-	12.15	0.07	0.04	9.89						
QP	6.725M	31.73	60.00	-28.27	10.21	Line	-	21.52	0.18	0.13	9.90						
AV	6.725M	25.45	50.00	-24.55	10.21	Line	-	15.24	0.18	0.13	9.90						

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	168k	53.10	65.06	-11.96	10.00	Neutral	"Worst"	43.10	0.07	0.04	9.89						
AV	168k	39.55	55.06	-15.51	10.00	Neutral	-	29.55	0.07	0.04	9.89						
QP	181.5k	50.38	64.41	-14.03	10.00	Neutral	-	40.38	0.07	0.04	9.89						
AV	181.5k	35.70	54.41	-18.71	10.00	Neutral	-	25.70	0.07	0.04	9.89						
QP	222k	50.13	62.75	-12.62	10.00	Neutral	-	40.13	0.07	0.04	9.89						
AV	222k	32.94	52.75	-19.81	10.00	Neutral	-	22.94	0.07	0.04	9.89						
QP	298.5k	41.67	60.28	-18.61	10.01	Neutral	-	31.66	0.07	0.05	9.89						
AV	298.5k	27.15	50.28	-23.13	10.01	Neutral	-	17.14	0.07	0.05	9.89						
QP	370.5k	36.12	58.49	-22.37	10.02	Neutral	-	26.10	0.07	0.06	9.89						
AV	370.5k	23.20	48.49	-25.29	10.02	Neutral	-	13.18	0.07	0.06	9.89						
QP	721.5k	34.50	56.00	-21.50	10.02	Neutral	-	24.48	0.08	0.05	9.89						
AV	721.5k	18.29	46.00	-27.71	10.02	Neutral	-	8.27	0.08	0.05	9.89						
QP	807k	29.69	56.00	-26.31	10.01	Neutral	-	19.68	0.08	0.04	9.89						
AV	807k	18.99	46.00	-27.01	10.01	Neutral	-	8.98	0.08	0.04	9.89						

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	9.525M	15.275M	15M3G1D	7.975M	12.681M
802.11g_Nss1,(6Mbps)_2TX	15.125M	16.885M	16M9D1D	15.075M	16.354M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.525M	18.905M	18M9D1D	17.275M	18.782M
802.11ax HEW40_Nss1,(MCS0)_2TX	36.35M	37.662M	37M7D1D	35M	37.564M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

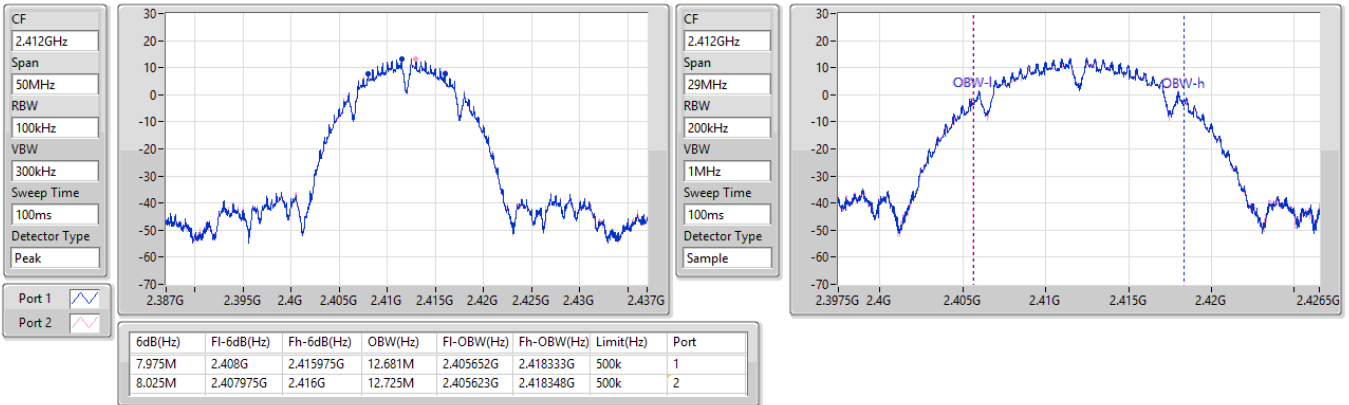
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.975M	12.681M	8.025M	12.725M
2437MHz	Pass	500k	9.525M	15.203M	9.5M	15.275M
2462MHz	Pass	500k	8M	12.783M	8.025M	12.783M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.075M	16.354M	15.075M	16.354M
2437MHz	Pass	500k	15.125M	16.843M	15.1M	16.885M
2462MHz	Pass	500k	15.125M	16.397M	15.1M	16.354M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.45M	18.782M	18.4M	18.831M
2437MHz	Pass	500k	17.55M	18.905M	18.525M	18.88M
2462MHz	Pass	500k	17.275M	18.88M	18.5M	18.905M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35.1M	37.564M	35.75M	37.564M
2437MHz	Pass	500k	35.05M	37.613M	35M	37.662M
2452MHz	Pass	500k	36.3M	37.613M	36.35M	37.564M

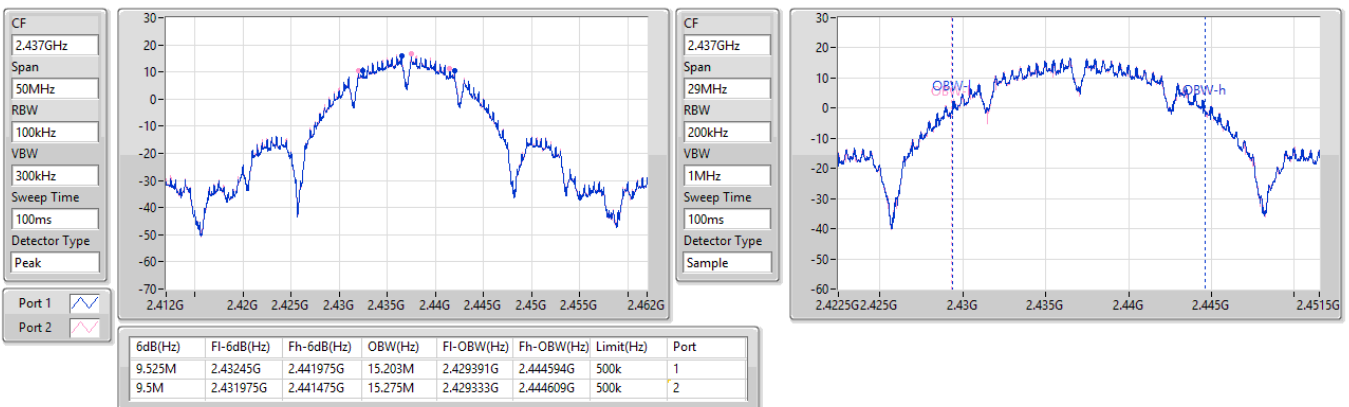
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX
EBW
2412MHz

10/02/2023

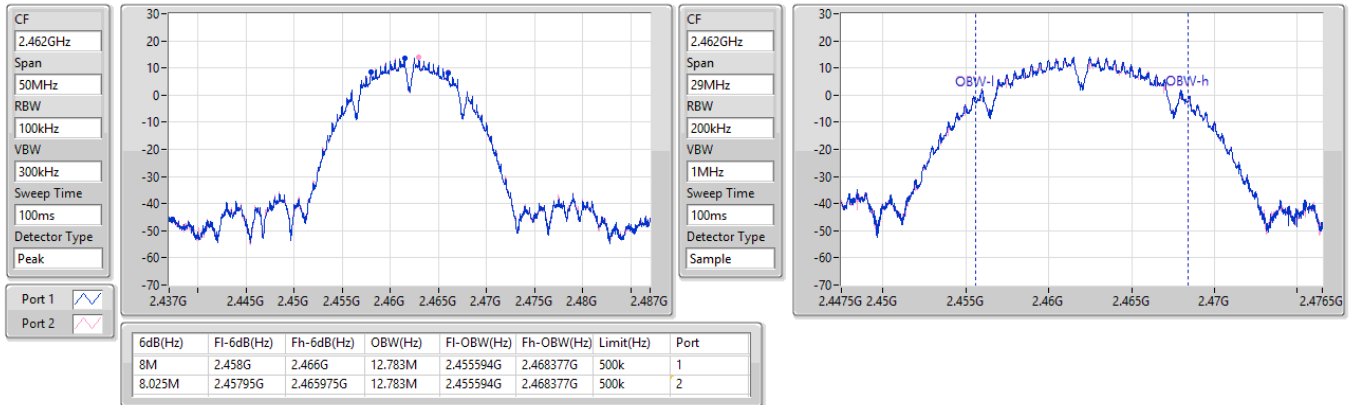

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX
EBW
2437MHz

10/02/2023

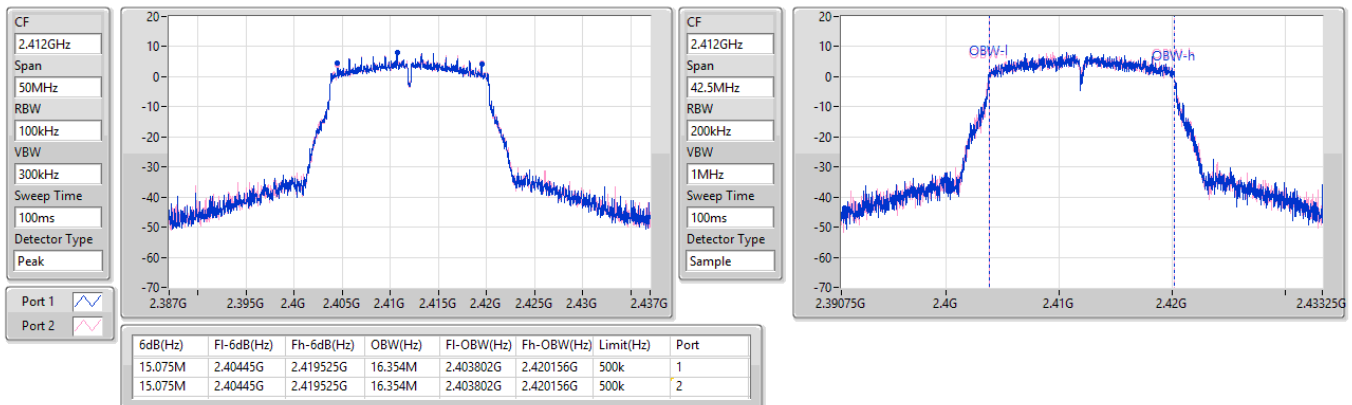


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX
EBW
2462MHz

10/02/2023

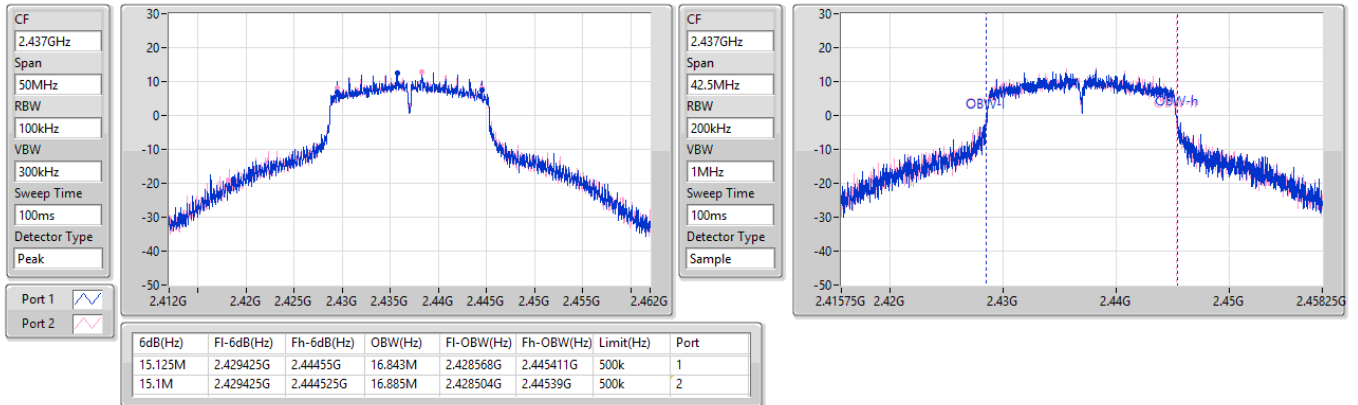

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX
EBW
2412MHz

10/02/2023

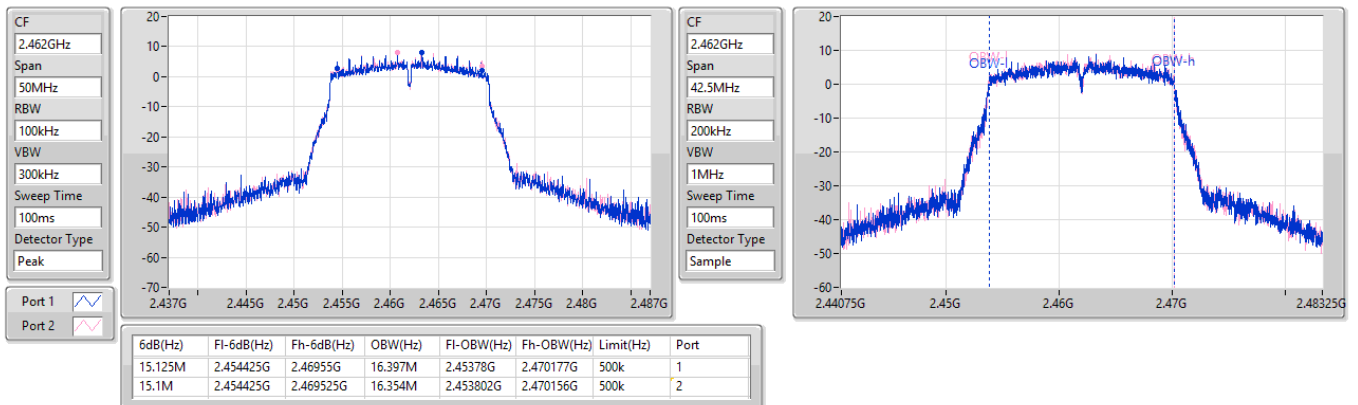


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX
EBW
2437MHz

10/02/2023

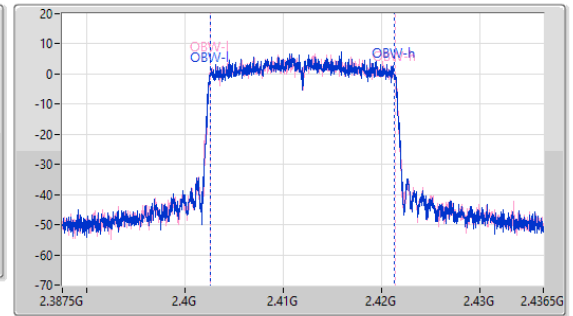
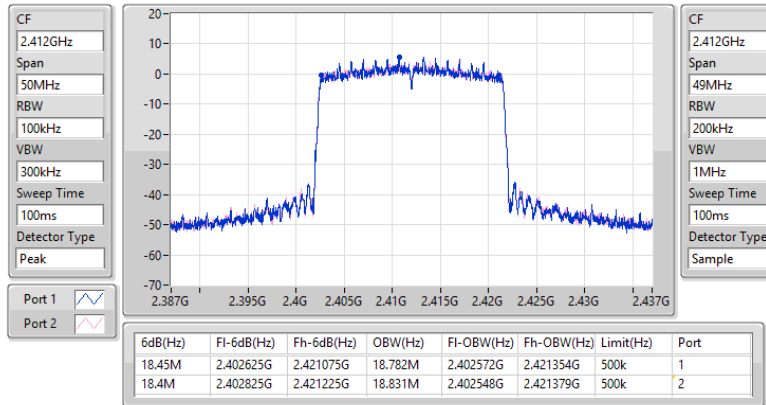

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX
EBW
2462MHz

10/02/2023

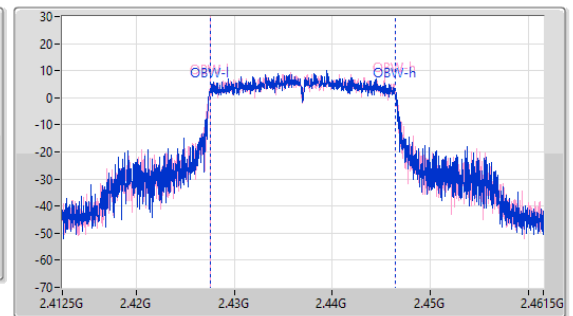
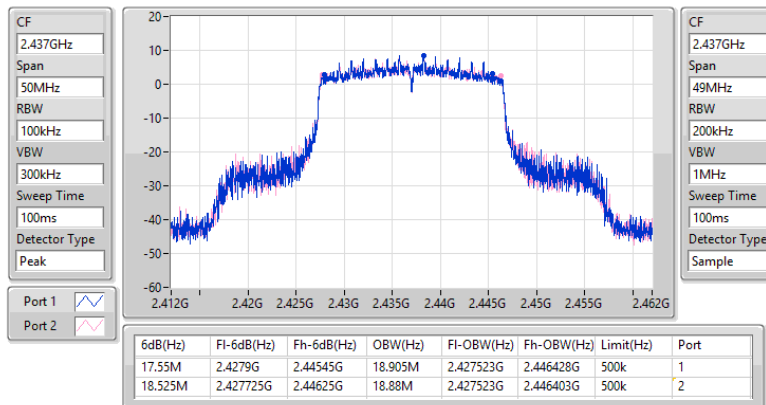


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
2412MHz

10/02/2023

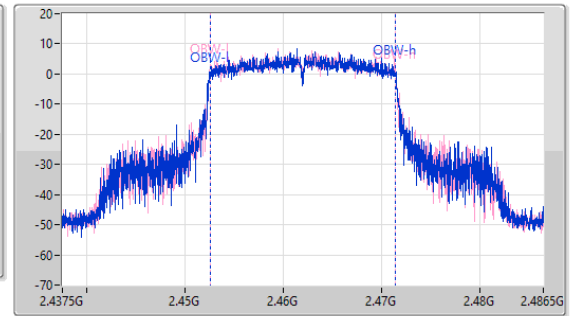
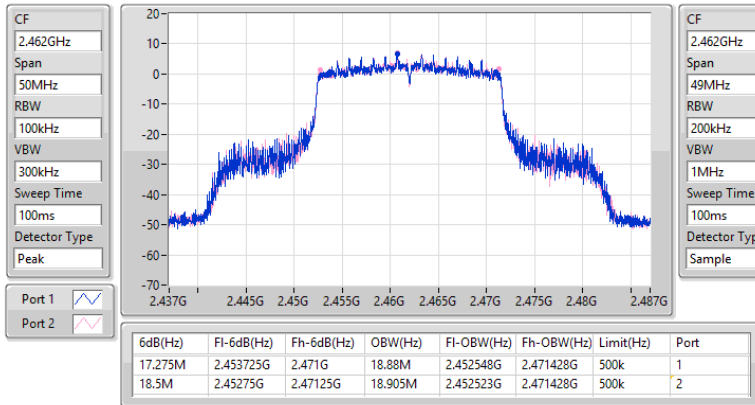

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
2437MHz

10/02/2023

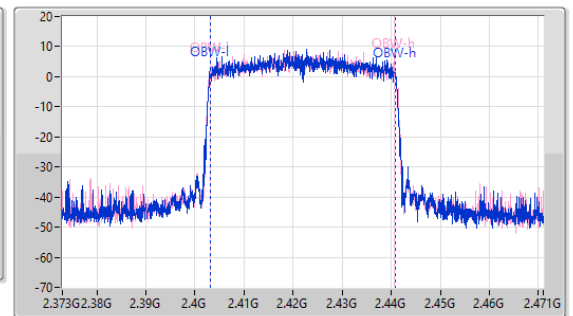
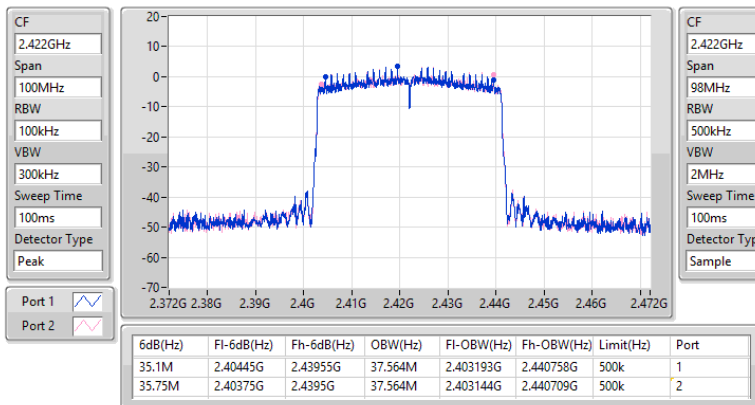


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
2462MHz

10/02/2023


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
2422MHz

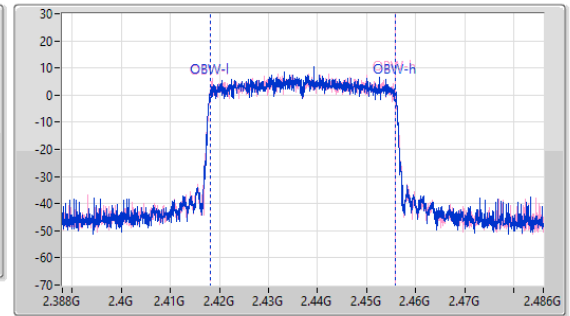
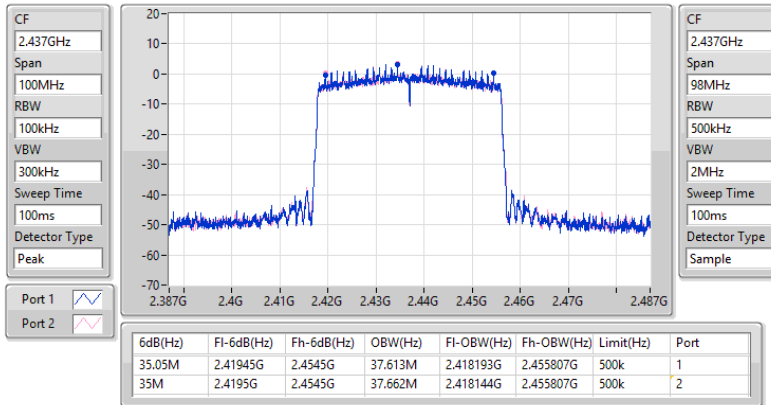
10/02/2023



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX 2437MHz

EBW

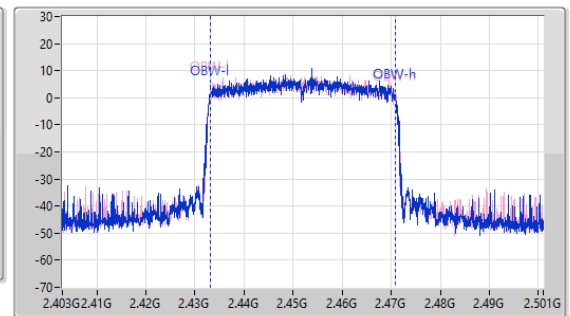
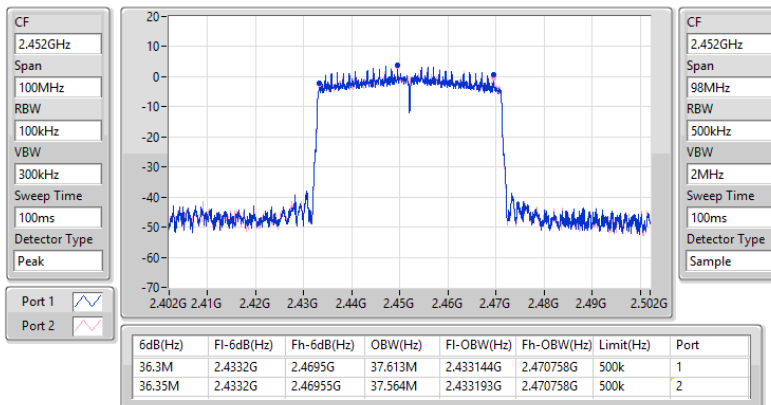
10/02/2023



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX 2452MHz

EBW

10/02/2023





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	28.03	0.63533
802.11g_Nss1,(6Mbps)_2TX	26.18	0.41495
802.11ax HEW20_Nss1,(MCS0)_2TX	22.03	0.15959
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	22.03	0.15959
802.11ax HEW40_Nss1,(MCS0)_2TX	19.54	0.08995
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	19.54	0.08995

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	21.23	21.32	24.29	30.00
2417MHz	Pass	3.60	23.66	23.56	26.62	30.00
2437MHz	Pass	3.60	24.97	25.07	28.03	30.00
2457MHz	Pass	3.60	21.92	21.68	24.81	30.00
2462MHz	Pass	3.60	21.71	21.82	24.78	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	18.41	18.52	21.48	30.00
2417MHz	Pass	3.60	19.51	19.58	22.56	30.00
2437MHz	Pass	3.60	23.1	23.23	26.18	30.00
2457MHz	Pass	3.60	19.07	19.2	22.15	30.00
2462MHz	Pass	3.60	18.39	18.51	21.46	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	16.05	16.15	19.11	30.00
2417MHz	Pass	3.60	16.64	16.71	19.69	30.00
2437MHz	Pass	3.60	18.94	19.1	22.03	30.00
2462MHz	Pass	3.60	17.16	17.21	20.20	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.60	16.32	16.47	19.41	30.00
2437MHz	Pass	3.60	16.13	16.21	19.18	30.00
2452MHz	Pass	3.60	16.51	16.55	19.54	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.61	16.05	16.15	19.11	29.39
2417MHz	Pass	6.61	16.64	16.71	19.69	29.39
2437MHz	Pass	6.61	18.94	19.1	22.03	29.39
2462MHz	Pass	6.61	17.16	17.21	20.20	29.39
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.61	16.32	16.47	19.41	29.39
2437MHz	Pass	6.61	16.13	16.21	19.18	29.39
2452MHz	Pass	6.61	16.51	16.55	19.54	29.39

DG = Directional Gain; Port X = Port X output power

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	3.50
802.11g_Nss1,(6Mbps)_2TX	0.01
802.11ax HEW20_Nss1,(MCS0)_2TX	-5.33
802.11ax HEW40_Nss1,(MCS0)_2TX	-10.03

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.61	-1.46	-1.53	0.98	7.39
2437MHz	Pass	6.61	0.81	2.08	3.50	7.39
2462MHz	Pass	6.61	-0.63	-1.69	0.92	7.39
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.61	-6.25	-5.52	-4.47	7.39
2437MHz	Pass	6.61	-1.50	-1.44	0.01	7.39
2462MHz	Pass	6.61	-6.01	-6.29	-4.37	7.39
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.61	-10.52	-9.30	-8.48	7.39
2437MHz	Pass	6.61	-7.64	-6.79	-5.33	7.39
2462MHz	Pass	6.61	-7.46	-9.24	-6.68	7.39
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.61	-12.13	-11.63	-10.63	7.39
2437MHz	Pass	6.61	-13.07	-12.03	-10.03	7.39
2452MHz	Pass	6.61	-12.13	-12.57	-10.08	7.39

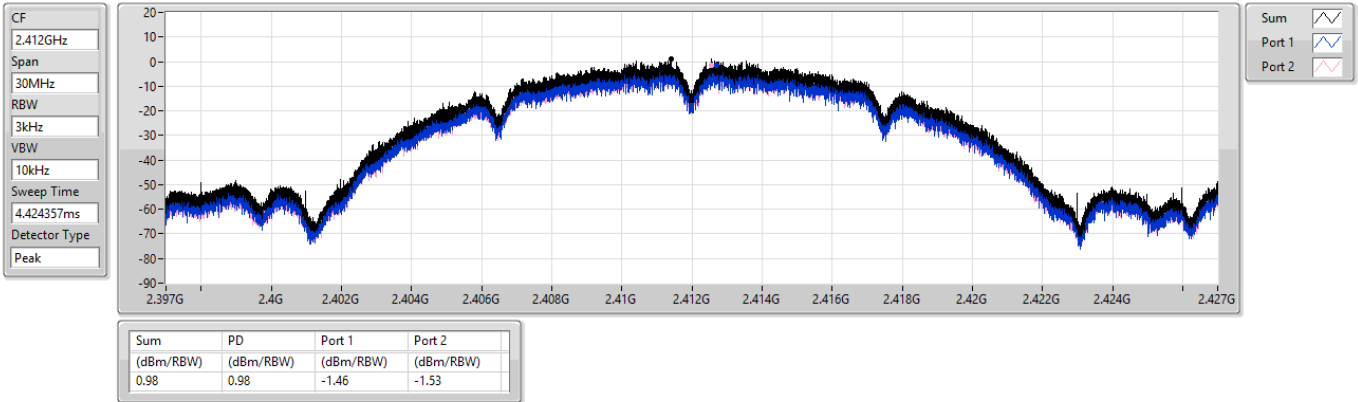
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

PSD

2412MHz

10/02/2023

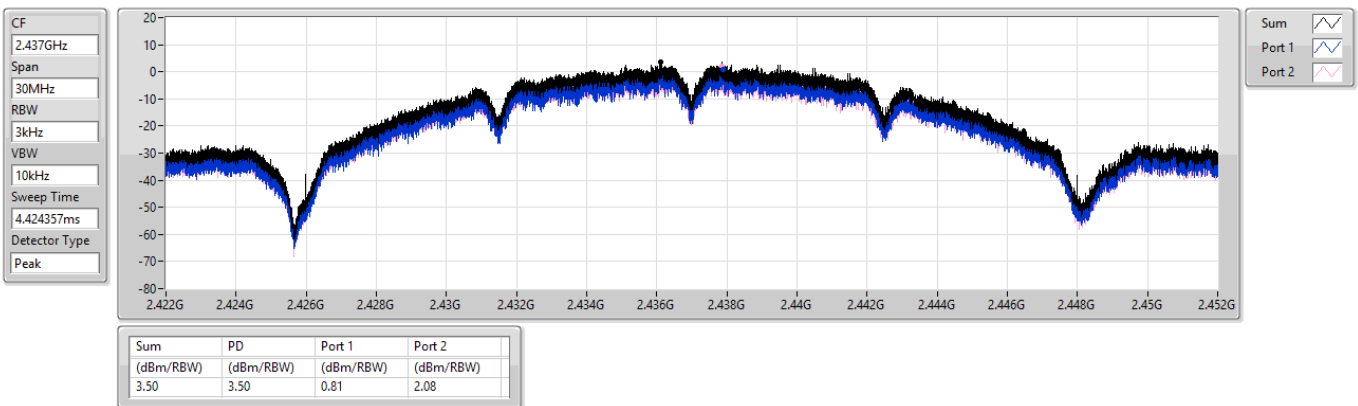


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

10/02/2023



2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2462MHz

PSD

10/02/2023

CF
2.462GHz

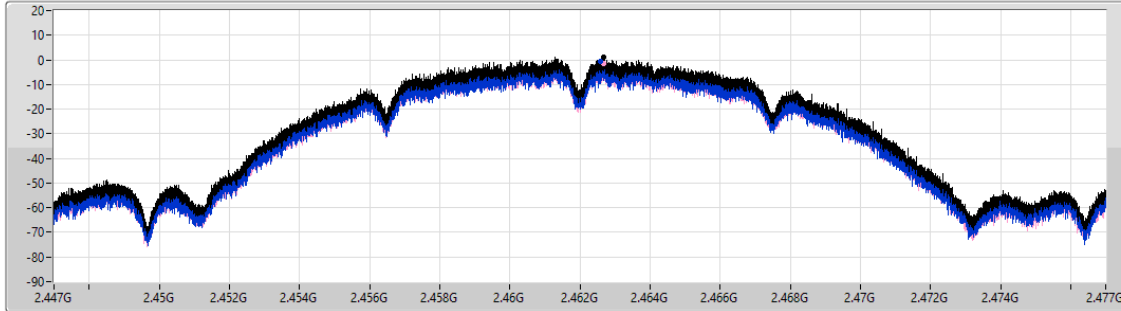
Span
30MHz

RBW
3kHz

VBW
10kHz

Sweep Time
4.424357ms

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.92	0.92	-0.63	-1.69

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2412MHz

PSD

10/02/2023

CF
2.412GHz

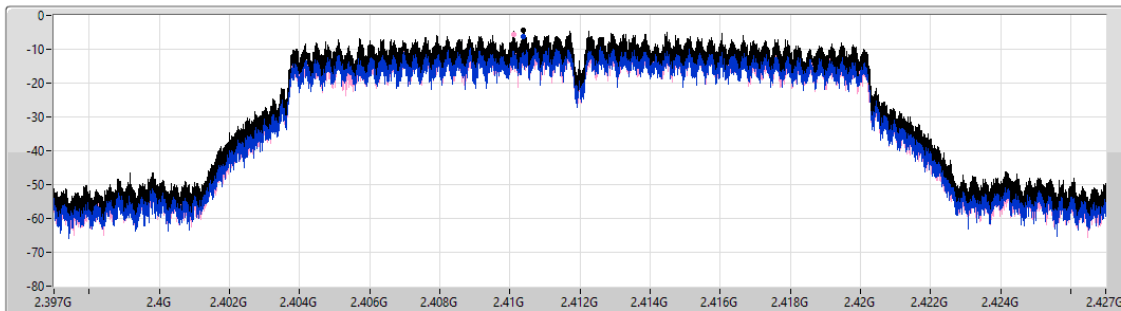
Span
30MHz

RBW
3kHz

VBW
10kHz

Sweep Time
4.424357ms

Detector Type
Peak



Sum 

Port 1 

Port 2 

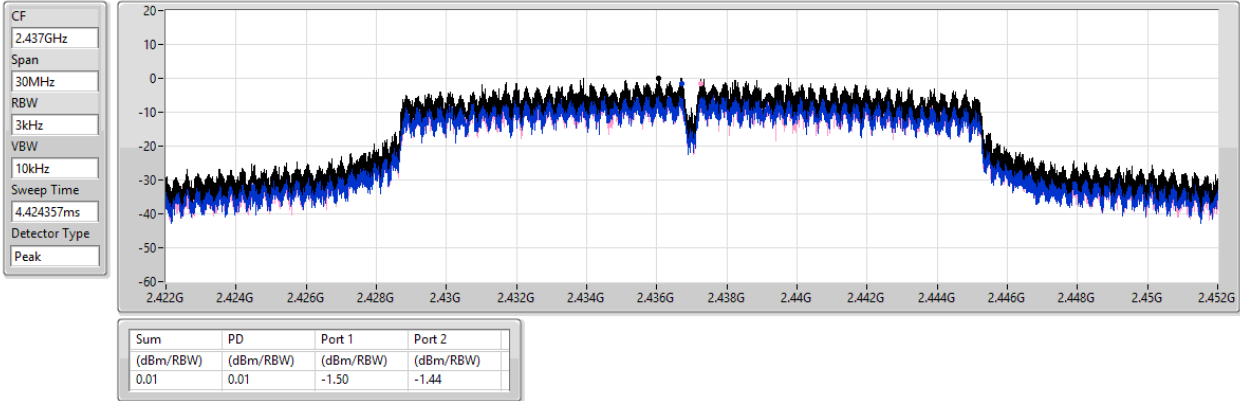
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.47	-4.47	-6.25	-5.52

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2437MHz

PSD

10/02/2023

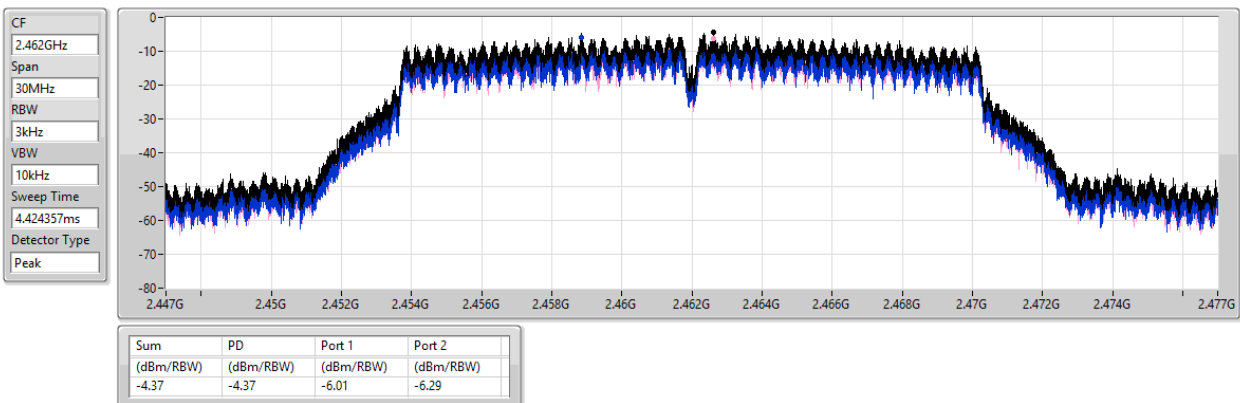


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2462MHz

PSD

10/02/2023

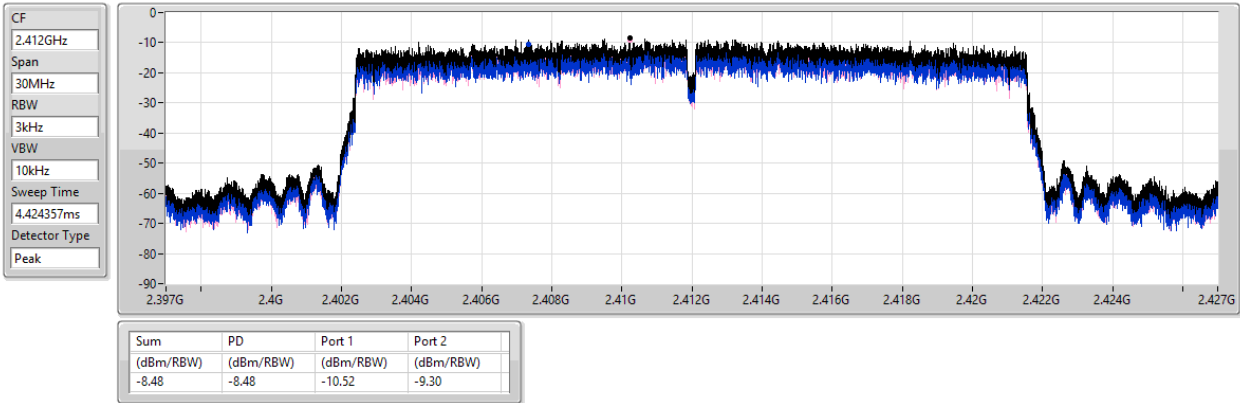


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz

PSD

10/02/2023

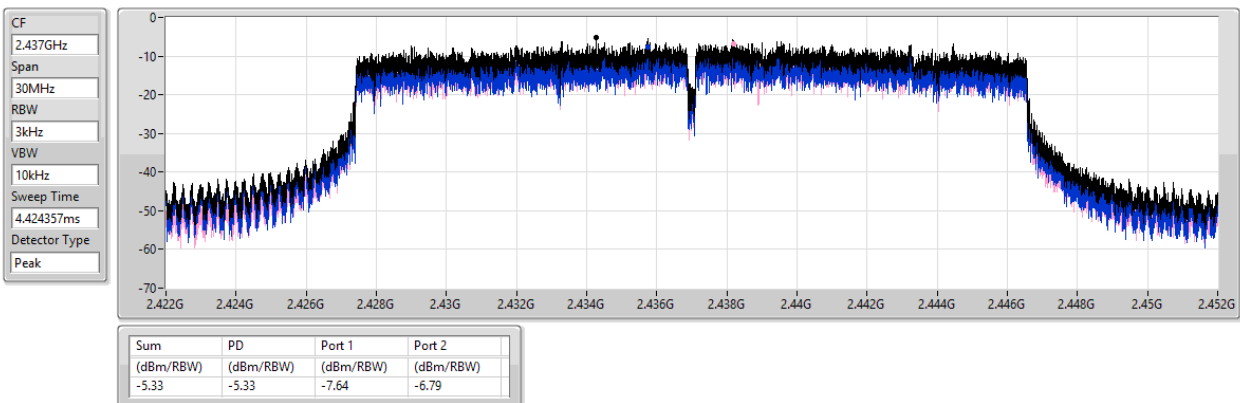


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz

PSD

10/02/2023

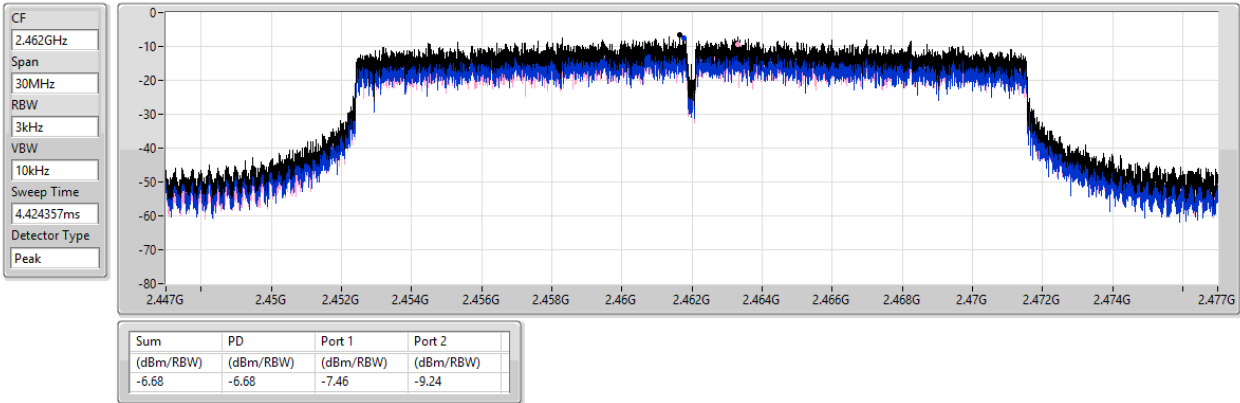


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz

PSD

10/02/2023

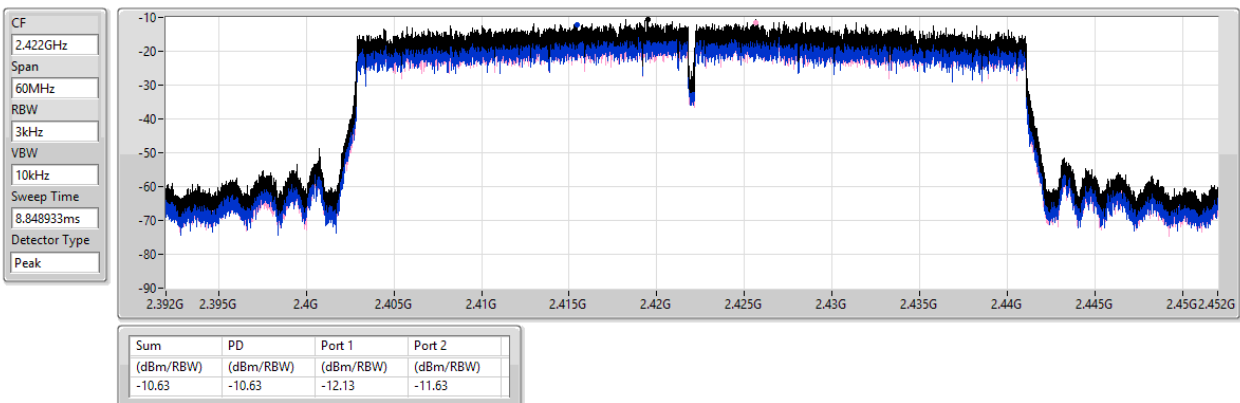


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz

PSD

10/02/2023

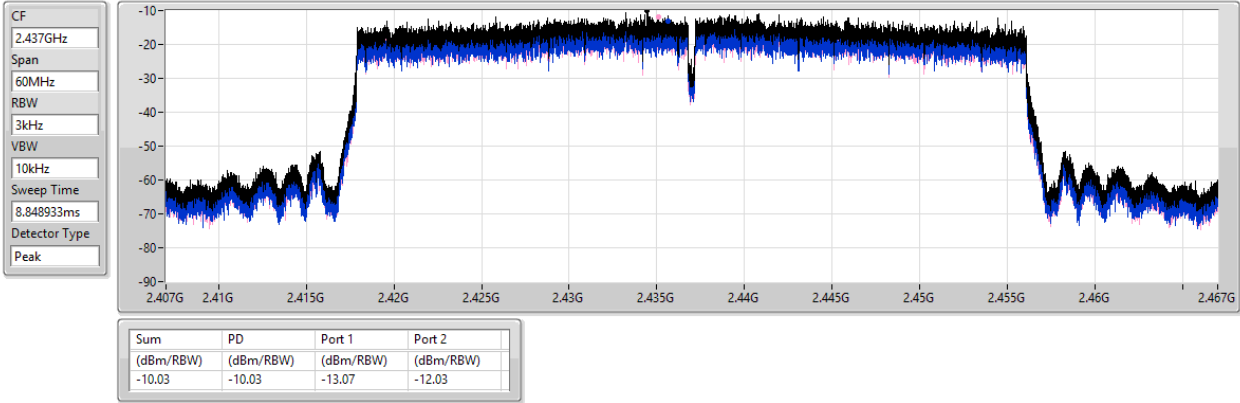


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz

PSD

10/02/2023

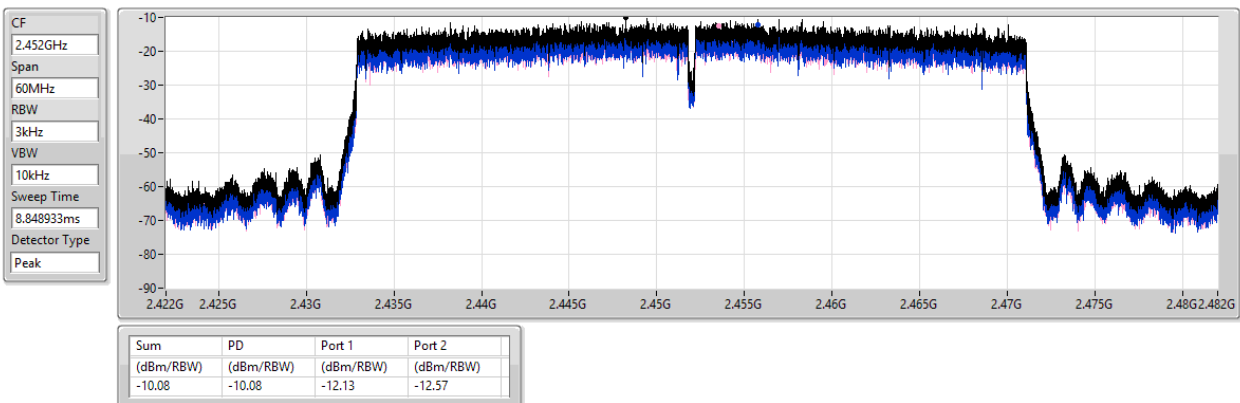


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz

PSD

10/02/2023





Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43741G	16.48	-13.52	2.30175G	-53.05	2.39904G	-34.84	2.4G	-39.35	2.51014G	-51.78	15.29858G	-46.35	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43574G	13.05	-16.95	2.02099G	-53.29	2.39984G	-32.24	2.4G	-34.41	2.50478G	-49.48	16.75393G	-48.09	1
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43574G	8.44	-21.56	673.08M	-53.15	2.39976G	-40.10	2.4G	-43.86	2.50654G	-50.65	5.85283G	-47.22	2
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.4344G	3.33	-26.67	2.30054G	-53.11	2.39824G	-39.55	2.4G	-45.09	2.54174G	-50.70	17.66887G	-47.64	2

Result

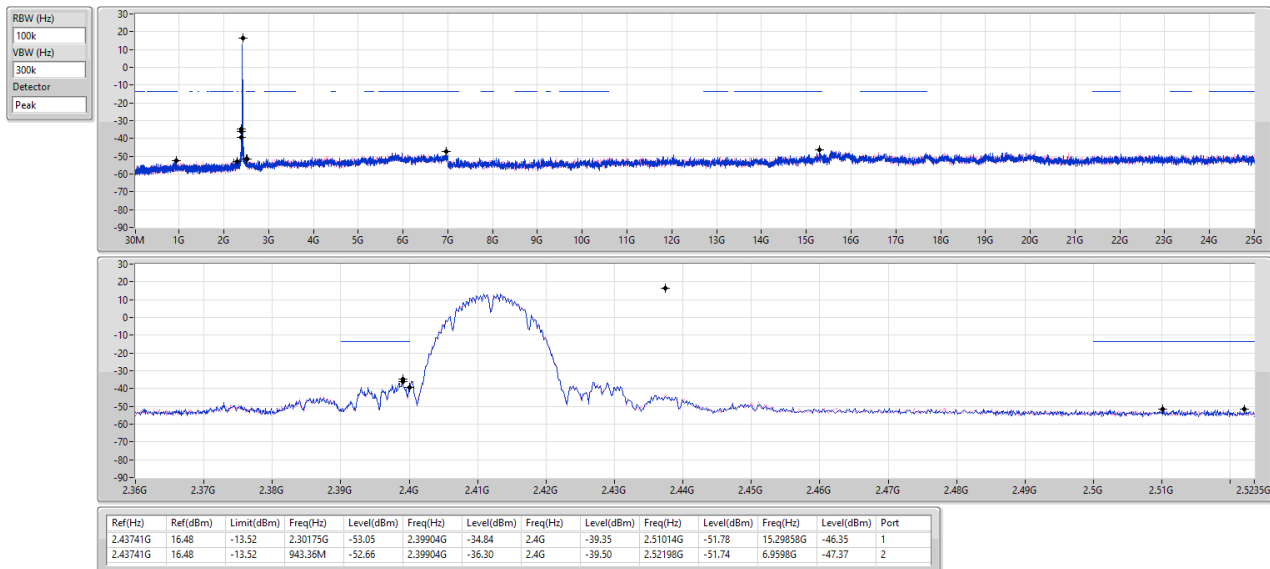
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43741G	16.48	-13.52	2.30175G	-53.05	2.39904G	-34.84	2.4G	-39.35	2.51014G	-51.78	15.29858G	-46.35	1
2412MHz	Pass	2.43741G	16.48	-13.52	943.36M	-52.66	2.39904G	-36.30	2.4G	-39.50	2.52198G	-51.74	6.9598G	-47.37	2
2437MHz	Pass	2.43741G	16.48	-13.52	1.86721G	-53.16	2.39752G	-38.63	2.4G	-43.10	2.50054G	-50.48	6.51308G	-47.80	1
2437MHz	Pass	2.43741G	16.48	-13.52	2.15496G	-52.54	2.39704G	-38.60	2.4G	-42.94	2.50222G	-48.89	17.67828G	-47.25	2
2462MHz	Pass	2.43741G	16.48	-13.52	958.51M	-52.71	2.4G	-49.46	2.4G	-50.18	2.50198G	-47.73	17.6839G	-46.36	1
2462MHz	Pass	2.43741G	16.48	-13.52	2.15962G	-53.15	2.396G	-51.23	2.4G	-52.79	2.50006G	-48.07	16.62469G	-47.53	2
802.11g_Nss1(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	13.05	-16.95	2.02099G	-53.29	2.39984G	-32.24	2.4G	-34.41	2.50478G	-49.48	16.75393G	-48.09	1
2412MHz	Pass	2.43574G	13.05	-16.95	1.84391G	-52.69	2.39952G	-32.95	2.4G	-32.74	2.50862G	-50.96	5.84721G	-48.07	2
2437MHz	Pass	2.43574G	13.05	-16.95	2.30059G	-53.05	2.39928G	-35.97	2.4G	-35.55	2.50038G	-46.02	5.89778G	-47.78	1
2437MHz	Pass	2.43574G	13.05	-16.95	2.30408G	-52.22	2.39824G	-34.28	2.4G	-36.39	2.50038G	-44.83	16.23978G	-47.31	2
2462MHz	Pass	2.43574G	13.05	-16.95	907.25M	-52.59	2.39952G	-49.48	2.4G	-50.74	2.50102G	-48.49	17.67547G	-48.27	1
2462MHz	Pass	2.43574G	13.05	-16.95	2.19224G	-52.21	2.39808G	-49.40	2.4G	-51.62	2.50014G	-48.19	16.67527G	-47.49	2
802.11ax HEW20_Nss1(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	8.44	-21.56	946.86M	-52.67	2.39704G	-40.64	2.4G	-42.32	2.51742G	-51.10	17.68671G	-47.39	1
2412MHz	Pass	2.43574G	8.44	-21.56	673.08M	-53.15	2.39976G	-40.10	2.4G	-43.86	2.50654G	-50.65	5.85283G	-47.22	2
2437MHz	Pass	2.43574G	8.44	-21.56	2.18292G	-52.91	2.39984G	-43.51	2.4G	-46.17	2.5111G	-50.09	16.61908G	-47.39	1
2437MHz	Pass	2.43574G	8.44	-21.56	1.98138G	-53.05	2.4G	-43.62	2.4G	-44.72	2.50198G	-50.56	17.68671G	-47.25	2
2462MHz	Pass	2.43574G	8.44	-21.56	831.52M	-53.25	2.398G	-49.97	2.4G	-50.15	2.50222G	-47.87	16.70055G	-48.01	1
2462MHz	Pass	2.43574G	8.44	-21.56	2.30874G	-52.12	2.3964G	-49.56	2.4G	-49.88	2.50318G	-47.79	16.22855G	-47.52	2
802.11ax HEW40_Nss1(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4344G	3.33	-26.67	32.29M	-52.31	2.39824G	-40.13	2.4G	-44.60	2.50302G	-50.64	5.77192G	-48.02	1
2422MHz	Pass	2.4344G	3.33	-26.67	2.30054G	-53.11	2.39824G	-39.55	2.4G	-45.09	2.54174G	-50.70	17.66887G	-47.64	2
2437MHz	Pass	2.4344G	3.33	-26.67	1.99482G	-52.86	2.39296G	-46.63	2.4G	-48.54	2.50078G	-49.73	15.31304G	-47.32	1
2437MHz	Pass	2.4344G	3.33	-26.67	2.17917G	-53.45	2.39088G	-47.19	2.4G	-49.27	2.5051G	-49.80	15.29621G	-47.72	2
2452MHz	Pass	2.4344G	3.33	-26.67	793.72M	-53.71	2.39824G	-42.93	2.4G	-45.19	2.50158G	-45.35	15.23732G	-47.51	1
2452MHz	Pass	2.4344G	3.33	-26.67	2.1265G	-53.66	2.3968G	-43.36	2.4G	-45.28	2.50158G	-46.18	17.65766G	-46.88	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2412MHz

CSEndB

10/02/2023

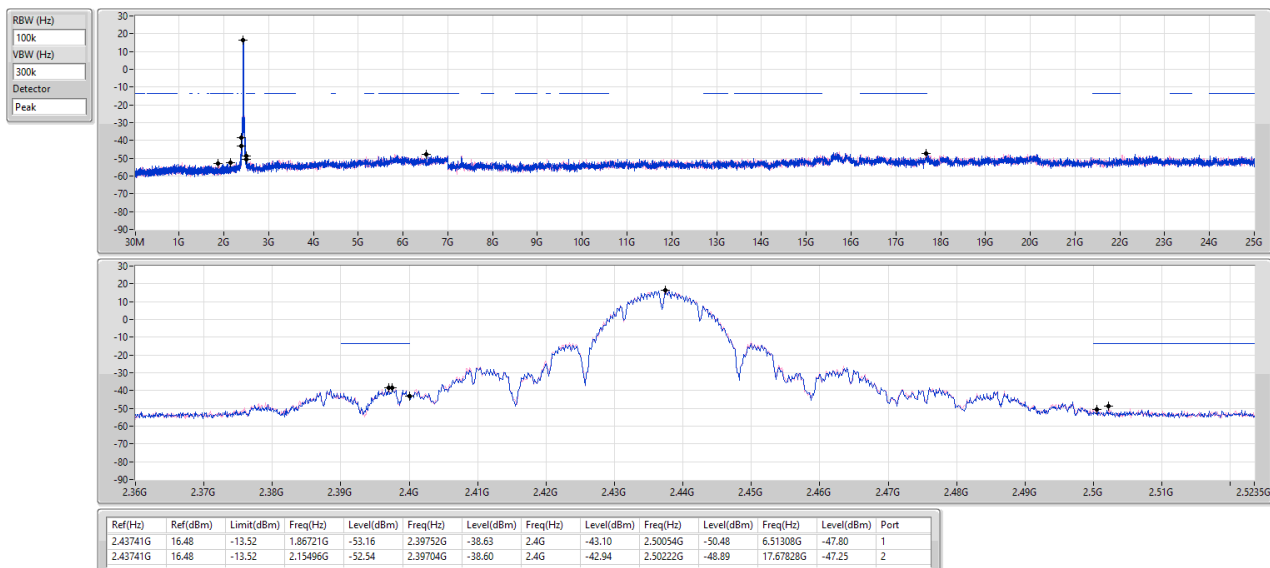


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2437MHz

CSEndB

10/02/2023

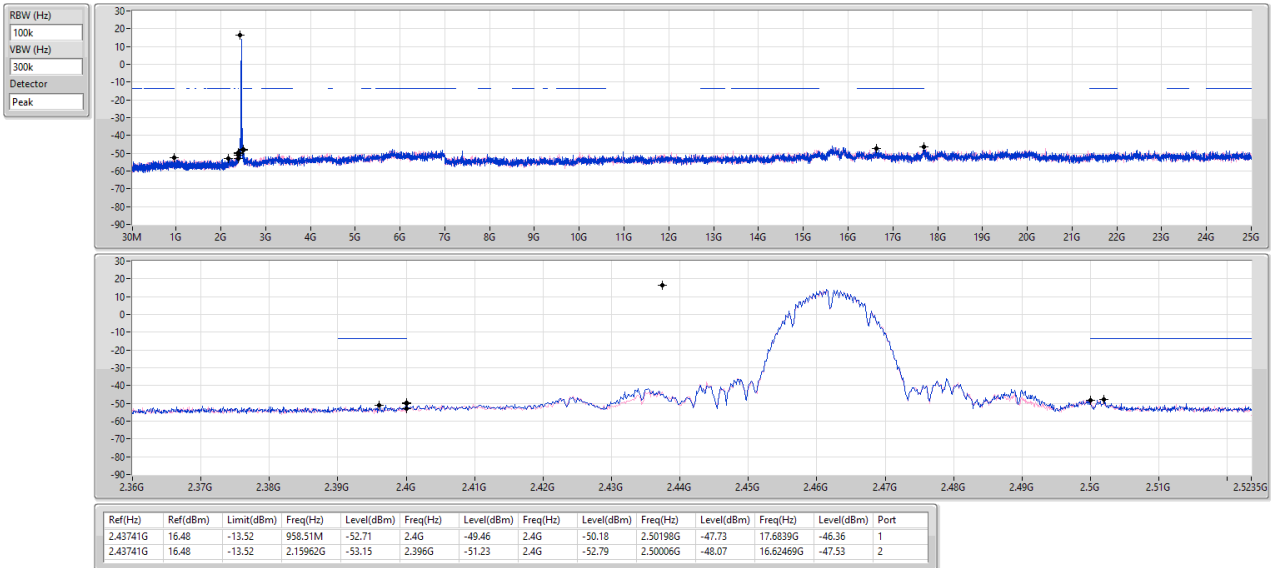


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2462MHz

CSEndB

10/02/2023

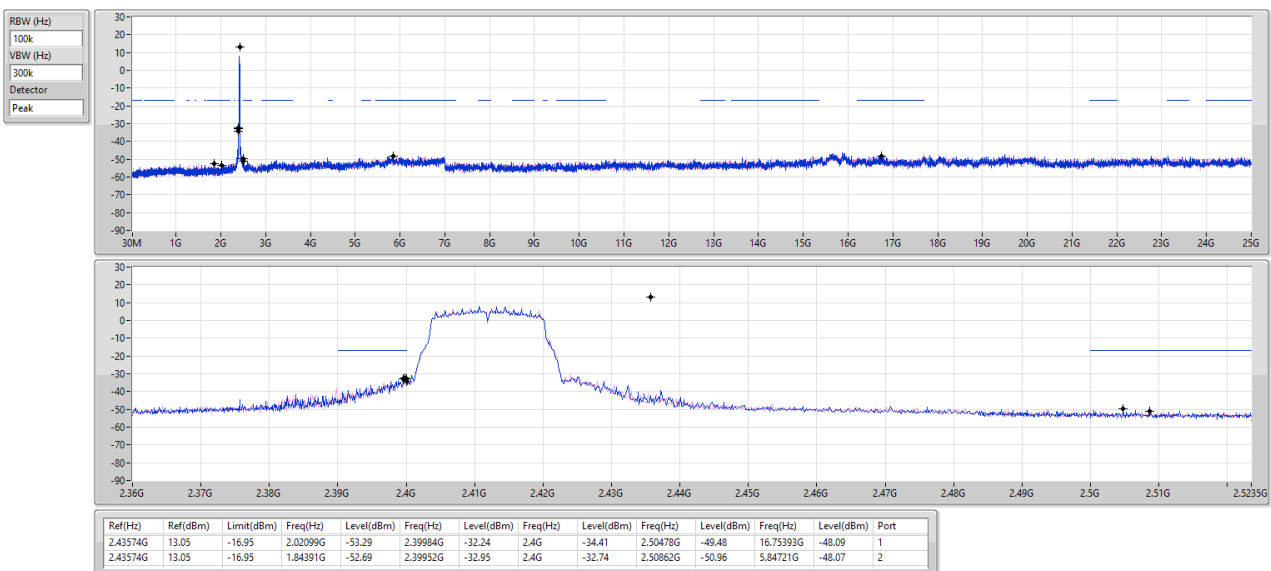


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2412MHz

CSEndB

10/02/2023

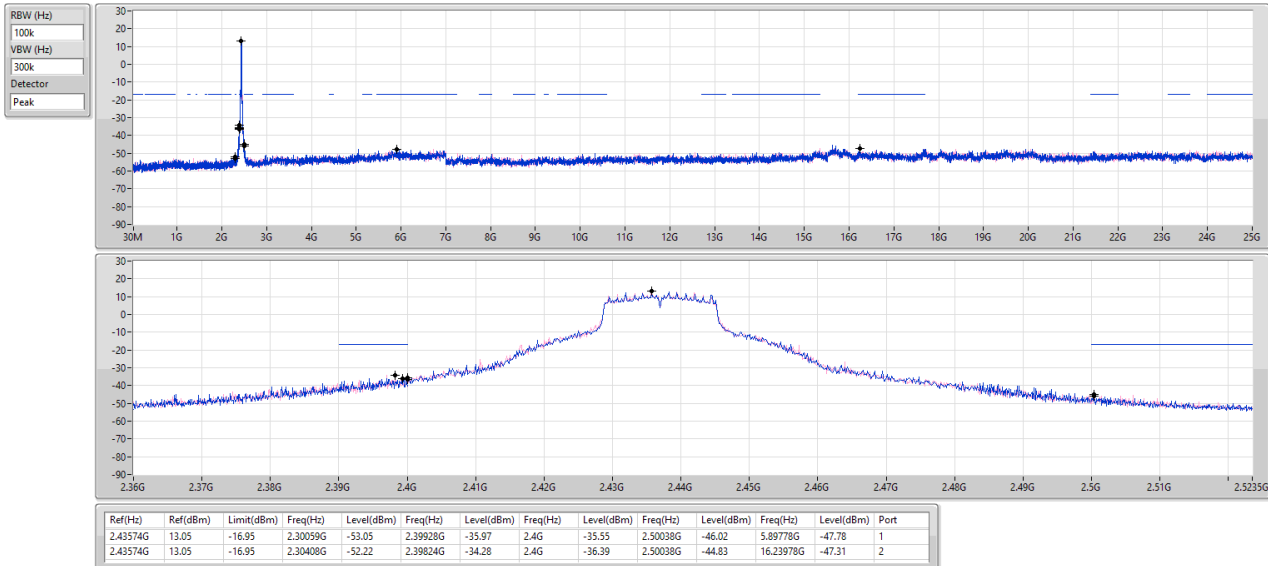


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2437MHz

CSEndB

10/02/2023

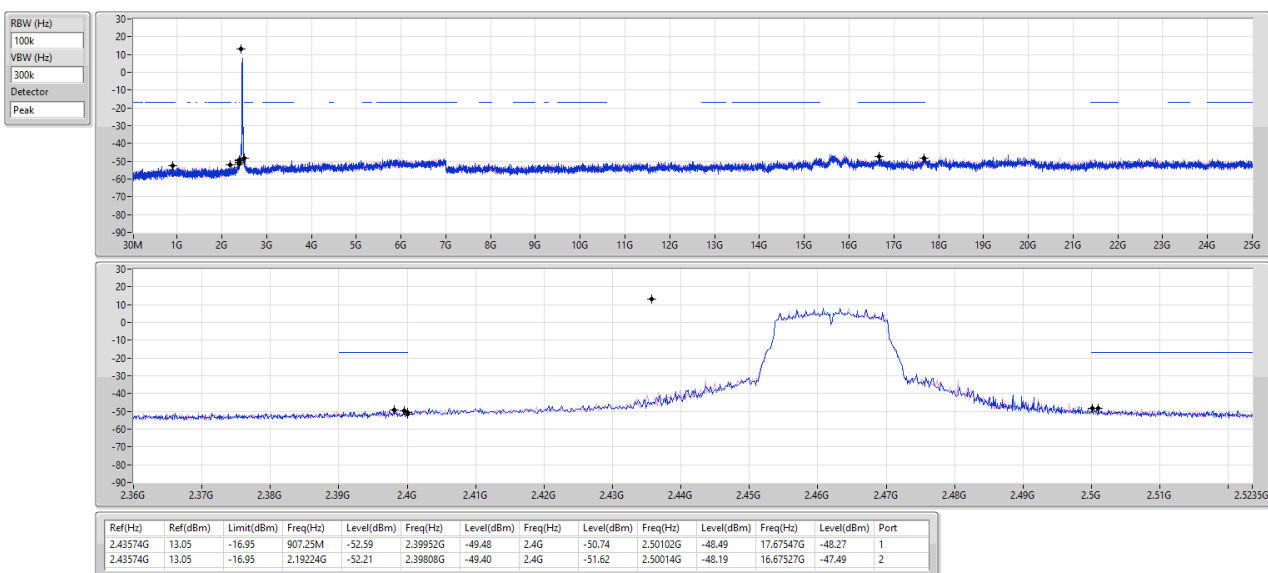


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2462MHz

CSEndB

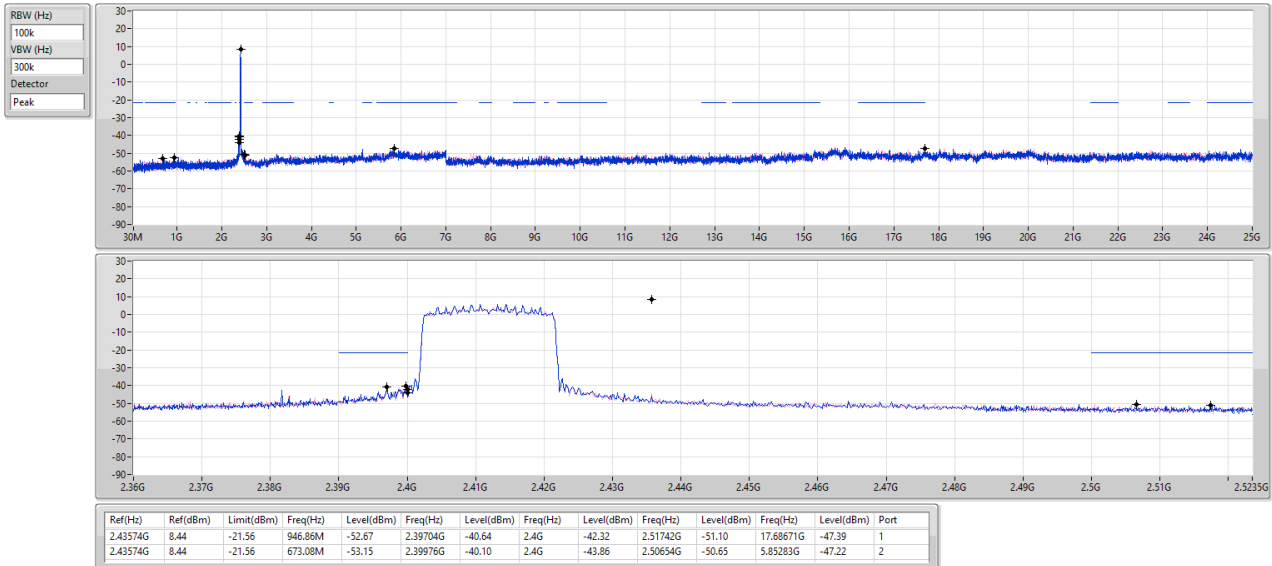
10/02/2023



2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

CSENdB

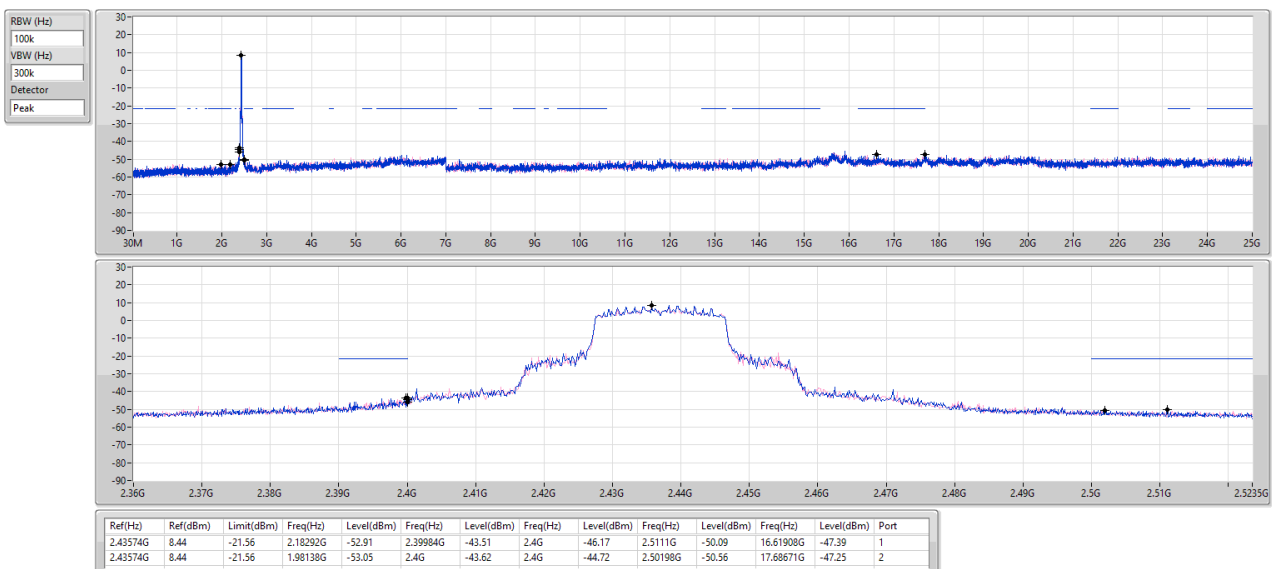
2412MHz



2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

CSENdB

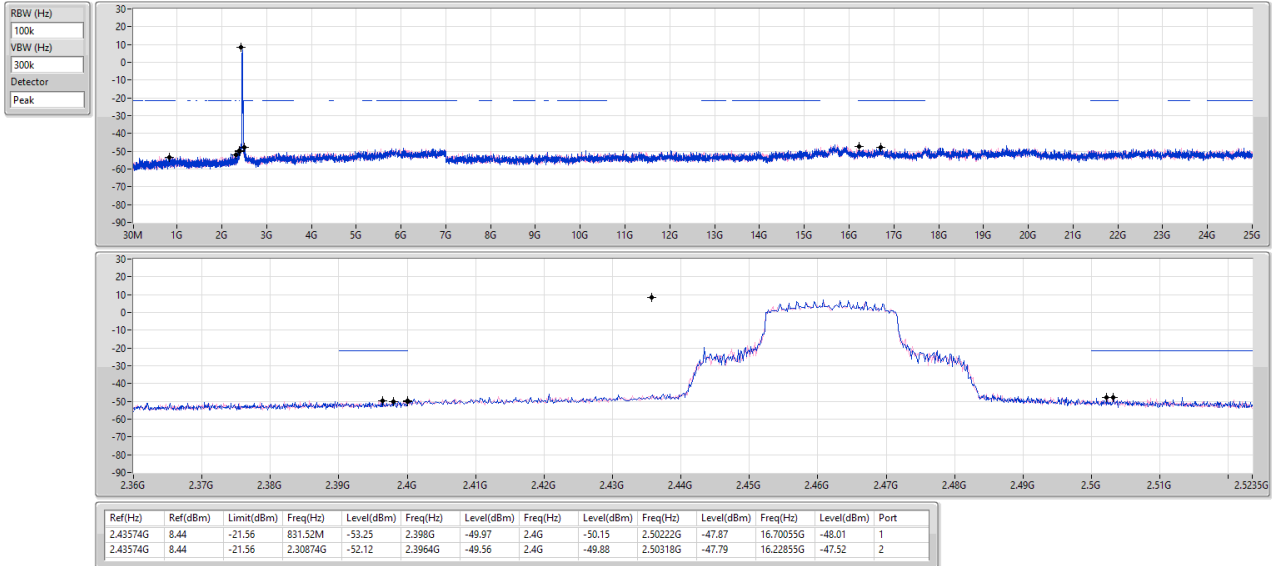
2437MHz



2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

CSEndB

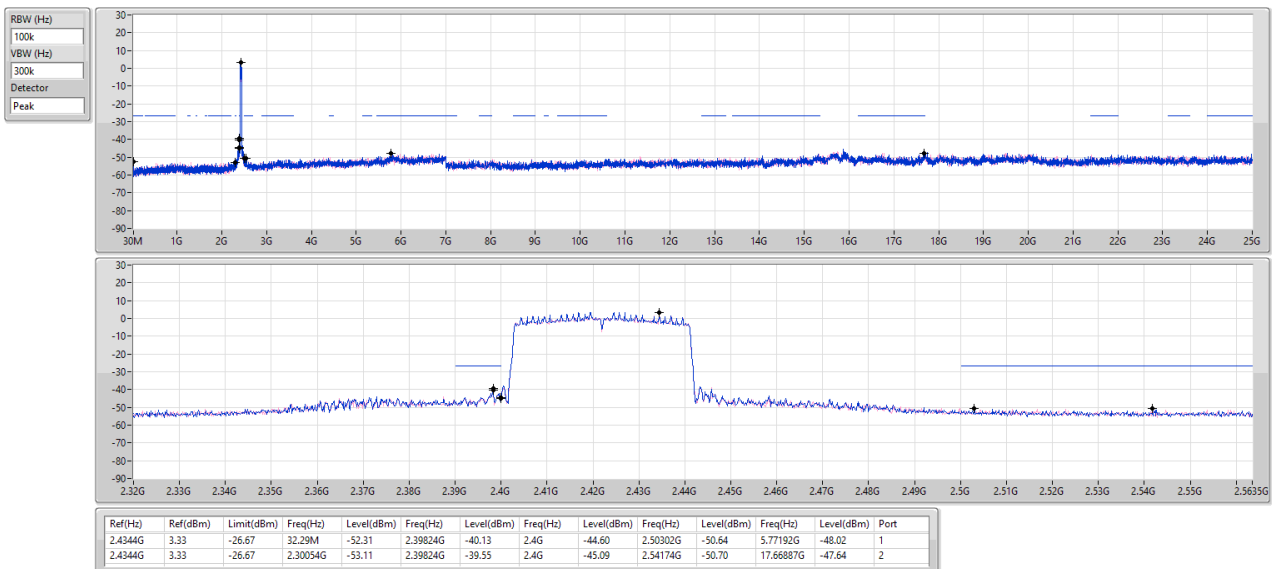
2462MHz



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

CSEndB

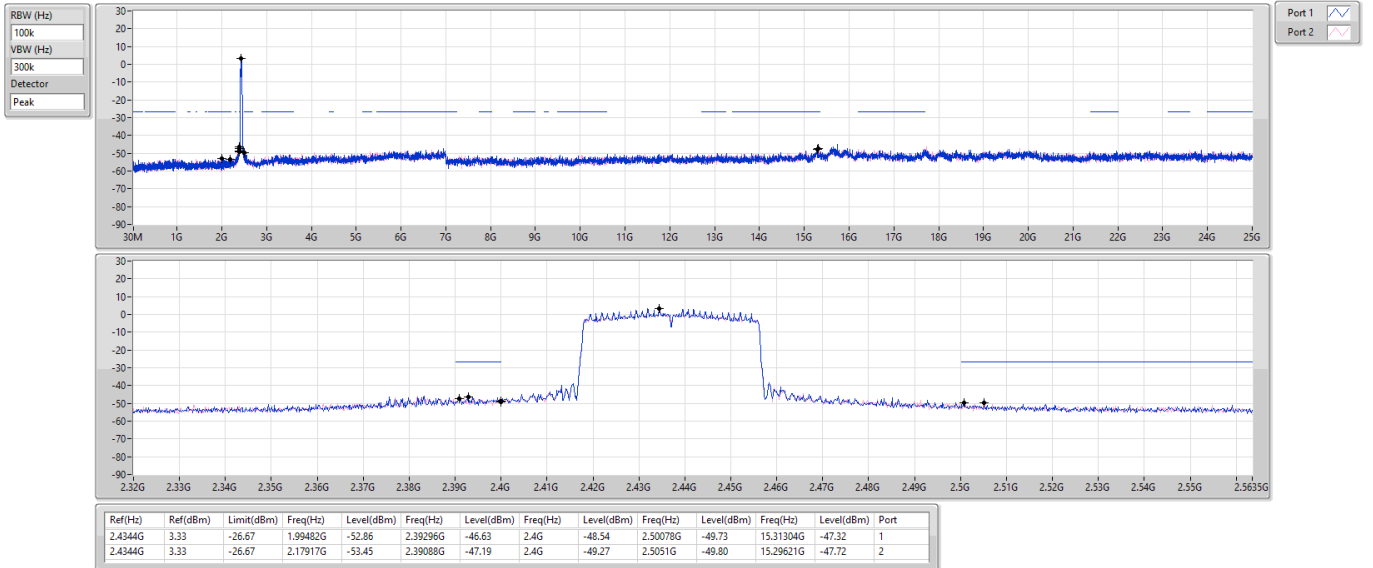
2422MHz



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

CSEndB

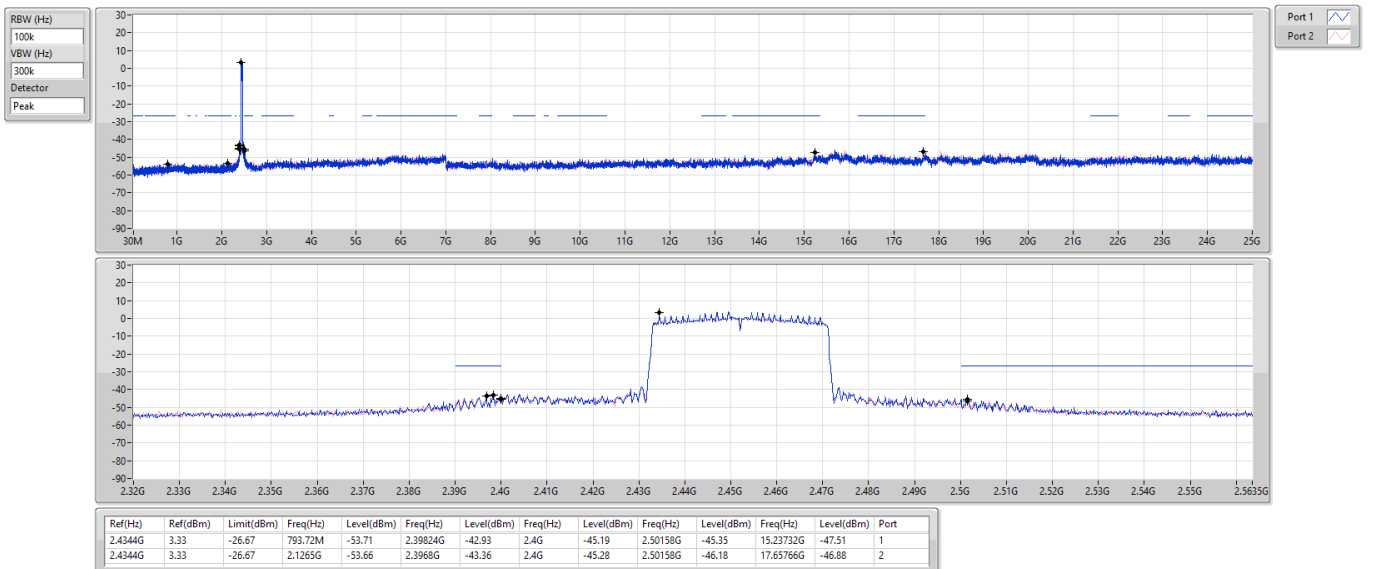
2437MHz



2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

CSEndB

2452MHz





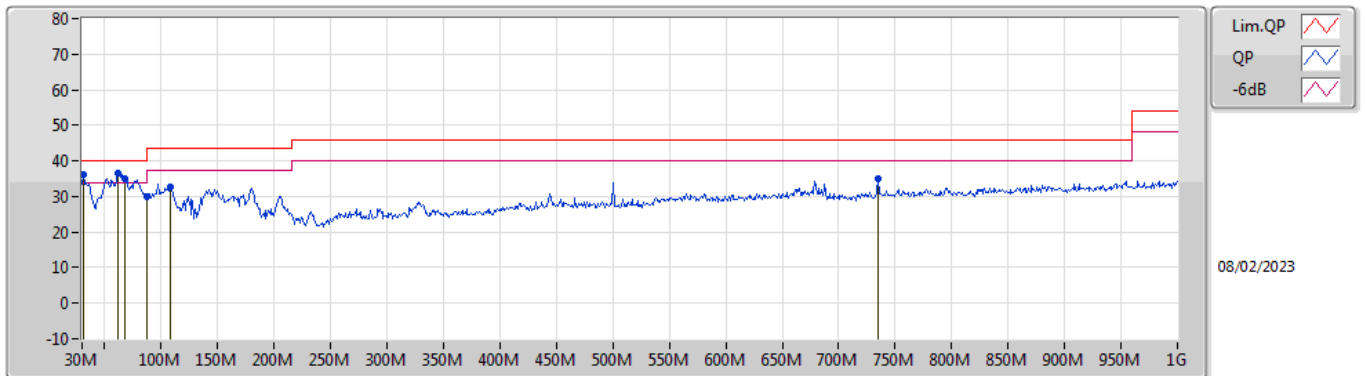
Radiated Emissions below 1GHz

Appendix F.1

Summary

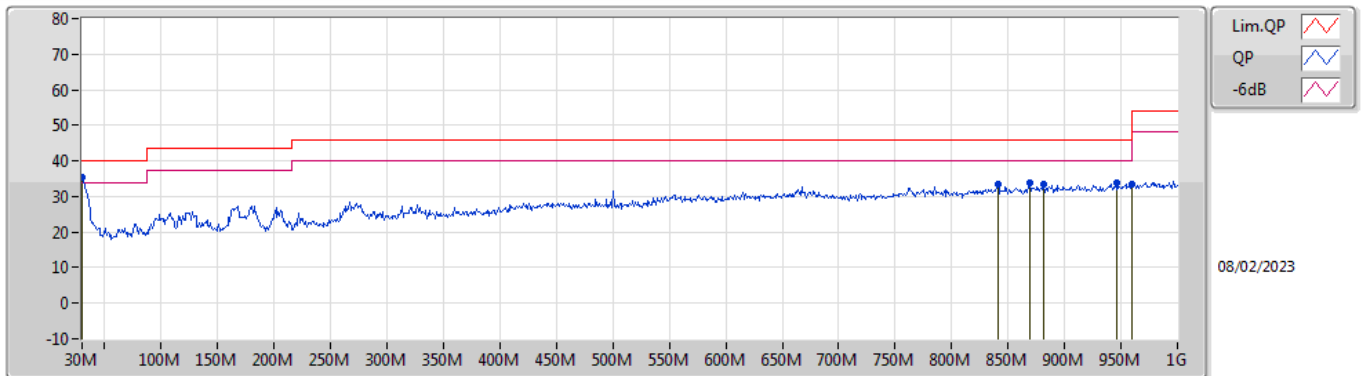
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	62.01M	36.69	40.00	-3.31	Vertical

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	30.97M	36.22	40.00	-3.78	-3.25	3	Vertical	50	2.00	-	39.47	24.50	0.75	28.50
PK	62.01M	36.69	40.00	-3.31	-15.30	3	Vertical	360	3.00	"Worst"	51.99	12.18	1.04	28.52
PK	67.83M	35.11	40.00	-4.89	-15.17	3	Vertical	307	1.00	-	50.28	12.26	1.08	28.51
PK	87.23M	29.86	40.00	-10.14	-13.25	3	Vertical	226	1.25	-	43.11	14.11	1.21	28.57
PK	108.57M	32.55	43.50	-10.95	-9.76	3	Vertical	318	1.00	-	42.31	17.35	1.34	28.45
PK	735.19M	35.14	46.00	-10.86	-0.40	3	Vertical	0	3.00	-	35.54	25.38	3.57	29.35

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	30M	35.23	40.00	-4.77	-2.55	3	Horizontal	124	2.00	"Worst"	37.78	25.20	0.74	28.49
PK	840.92M	33.61	46.00	-12.39	0.99	3	Horizontal	35	2.00	-	32.62	26.18	3.88	29.07
PK	869.05M	33.80	46.00	-12.20	1.33	3	Horizontal	113	1.25	-	32.47	26.33	3.93	28.93
PK	881.66M	33.31	46.00	-12.69	1.42	3	Horizontal	8	1.25	-	31.89	26.33	3.96	28.87
PK	946.65M	33.74	46.00	-12.26	2.27	3	Horizontal	356	1.25	-	31.47	26.68	4.17	28.58
PK	959.26M	33.35	46.00	-12.65	2.49	3	Horizontal	217	1.50	-	30.86	26.84	4.20	28.55

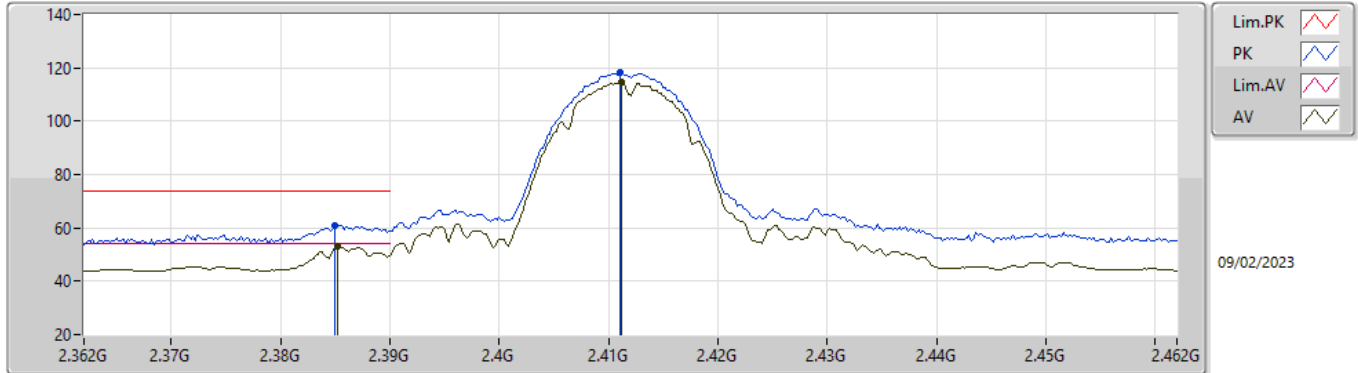


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1.(1Mbps)_2TX	Pass	AV	2.3792G	53.94	54.00	-0.06	3	Vertical	264	1.79	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

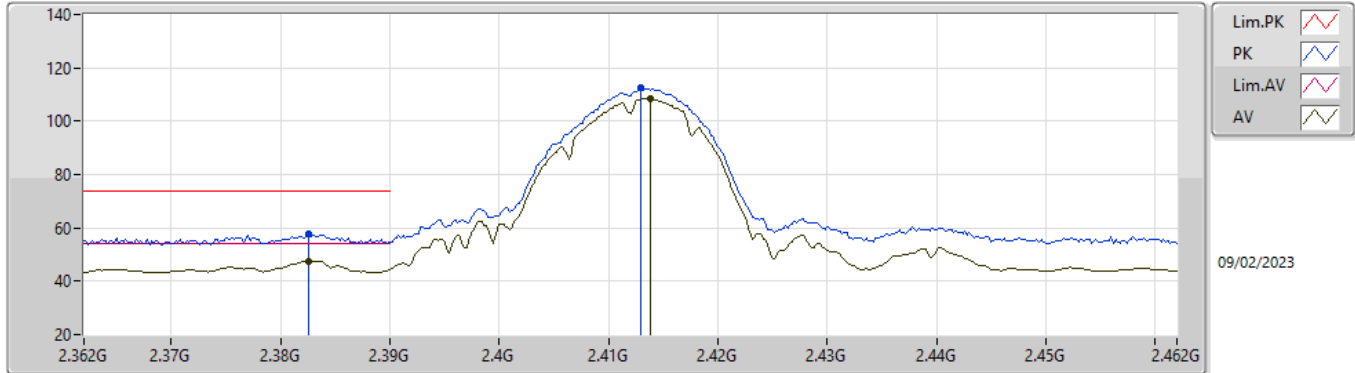


EUT_Y_2TX
Setting 18
04-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.385G	61.05	74.00	-12.95	30.25	3	Vertical	98	1.72	-	27.61	3.19	-
AV	2.3852G	52.94	54.00	-1.06	22.14	3	Vertical	98	1.72	-	27.61	3.19	-
PK	2.411G	118.42	Inf	-Inf	87.51	3	Vertical	98	1.72	-	27.70	3.21	-
AV	2.4112G	114.58	Inf	-Inf	83.67	3	Vertical	98	1.72	-	27.70	3.21	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

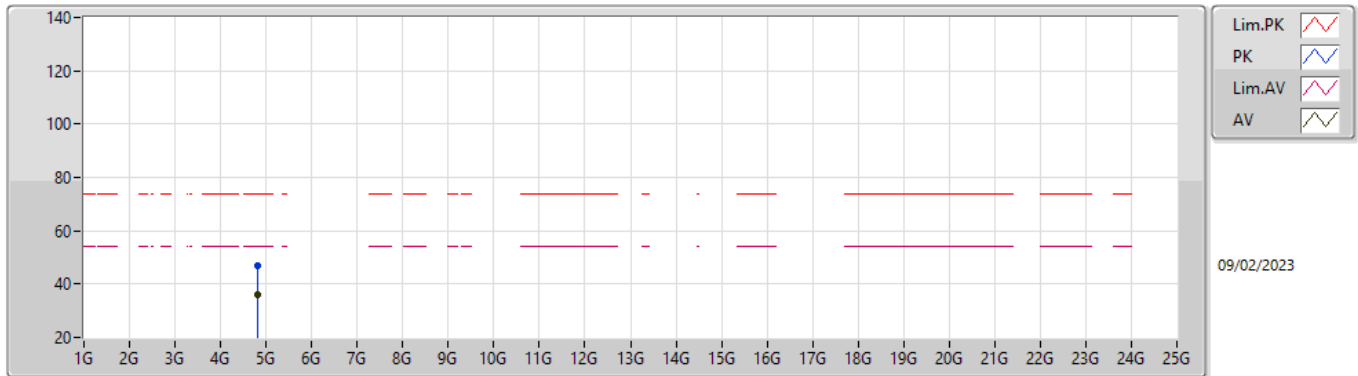


EUTY_2TX
Setting 18
04-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3826G	57.96	74.00	-16.04	27.17	3	Horizontal	61	2.09	-	27.60	3.19	-
AV	2.3826G	47.52	54.00	-6.48	16.73	3	Horizontal	61	2.09	-	27.60	3.19	-
PK	2.413G	112.38	Inf	-Inf	81.47	3	Horizontal	61	2.09	-	27.70	3.21	-
AV	2.4138G	108.48	Inf	-Inf	77.57	3	Horizontal	61	2.09	-	27.70	3.21	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

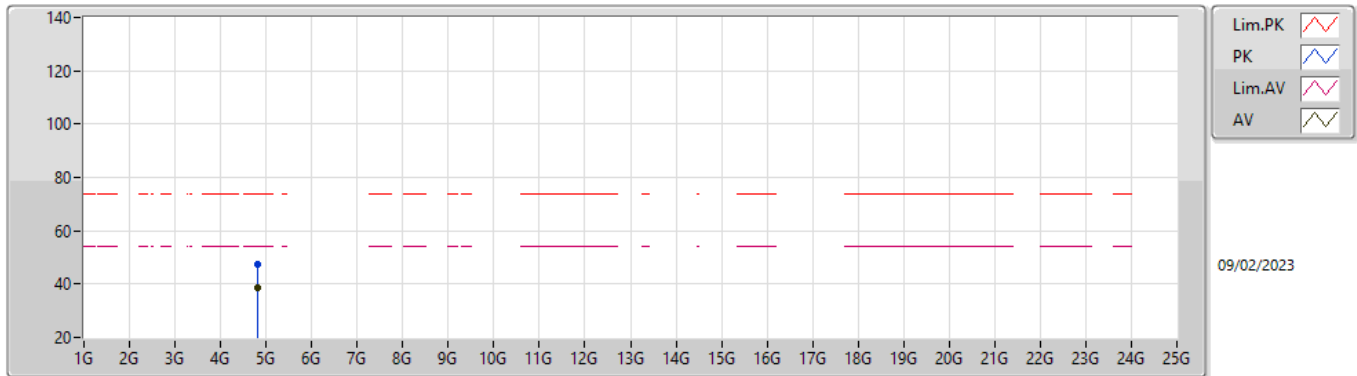


EUT Y_2TX
Setting 18
04-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82388G	46.92	74.00	-27.08	41.62	3	Vertical	74	1.92	-	32.65	5.30	32.65
AV	4.82396G	35.88	54.00	-18.12	30.58	3	Vertical	74	1.92	-	32.65	5.30	32.65

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

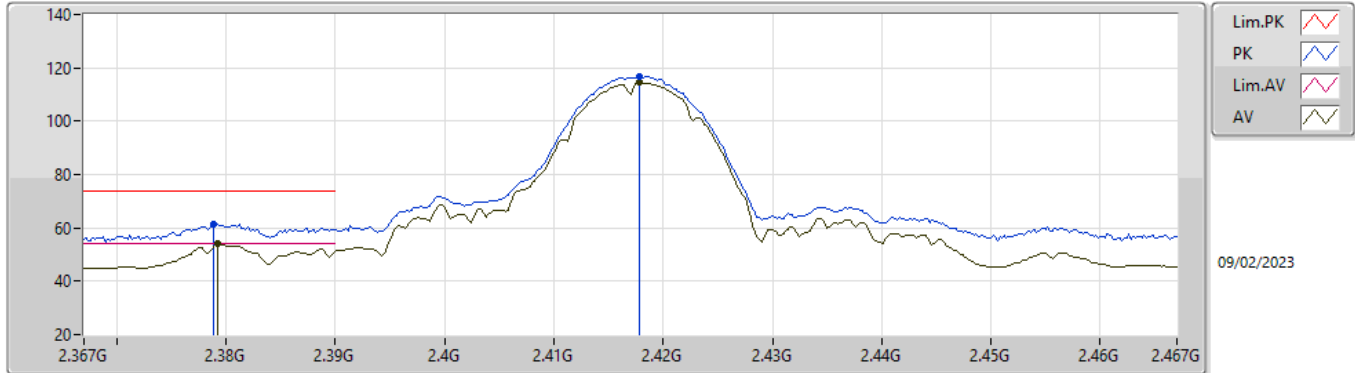


EUT Y_2TX
Setting 18
04-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82404G	47.23	74.00	-26.77	41.93	3	Horizontal	125	1.80	-	32.65	5.30	32.65
AV	4.82396G	38.86	54.00	-15.14	33.56	3	Horizontal	125	1.80	-	32.65	5.30	32.65

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2417MHz_TX

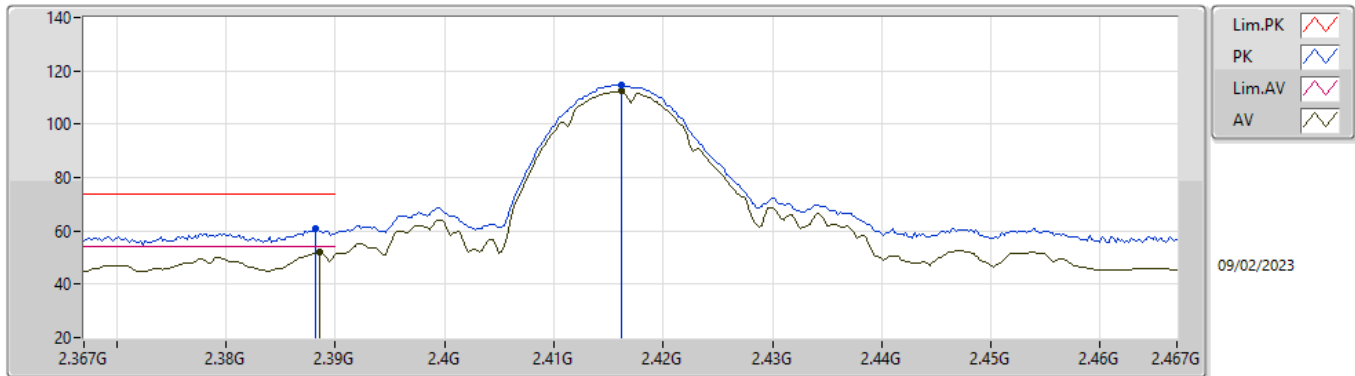


EUT Y_2TX
Setting 20
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3788G	61.50	74.00	-12.50	30.74	3	Vertical	264	1.79	-	27.57	3.19	-
AV	2.3792G	53.94	54.00	-0.06	23.17	3	Vertical	264	1.79	-	27.58	3.19	-
PK	2.4178G	116.93	Inf	-Inf	86.01	3	Vertical	264	1.79	-	27.70	3.22	-
AV	2.4178G	114.50	Inf	-Inf	83.58	3	Vertical	264	1.79	-	27.70	3.22	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2417MHz_TX

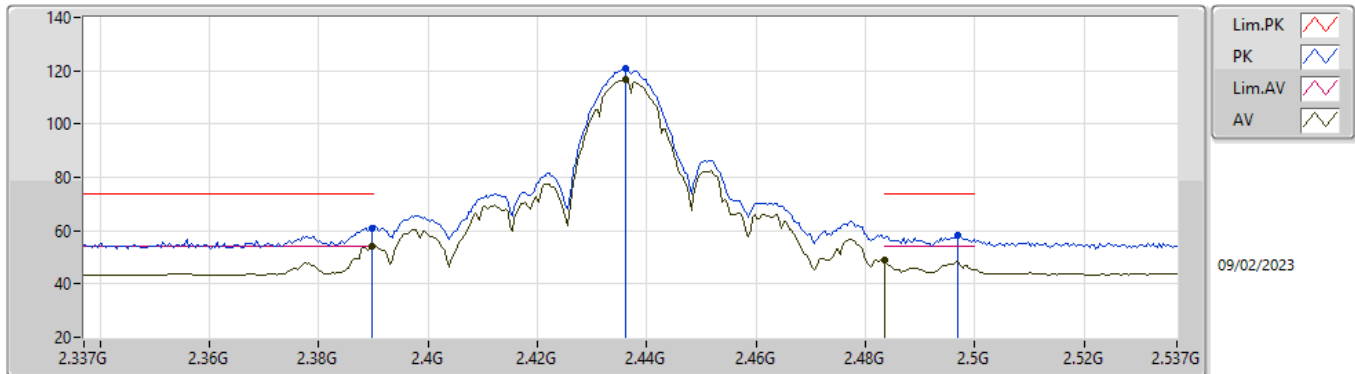


EUT Y_2TX
Setting 20
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3882G	60.68	74.00	-13.32	29.86	3	Horizontal	48	2.14	-	27.63	3.19	-
AV	2.3886G	51.85	54.00	-2.15	21.03	3	Horizontal	48	2.14	-	27.63	3.19	-
PK	2.4162G	114.81	Inf	-Inf	83.89	3	Horizontal	48	2.14	-	27.70	3.22	-
AV	2.4162G	112.39	Inf	-Inf	81.47	3	Horizontal	48	2.14	-	27.70	3.22	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

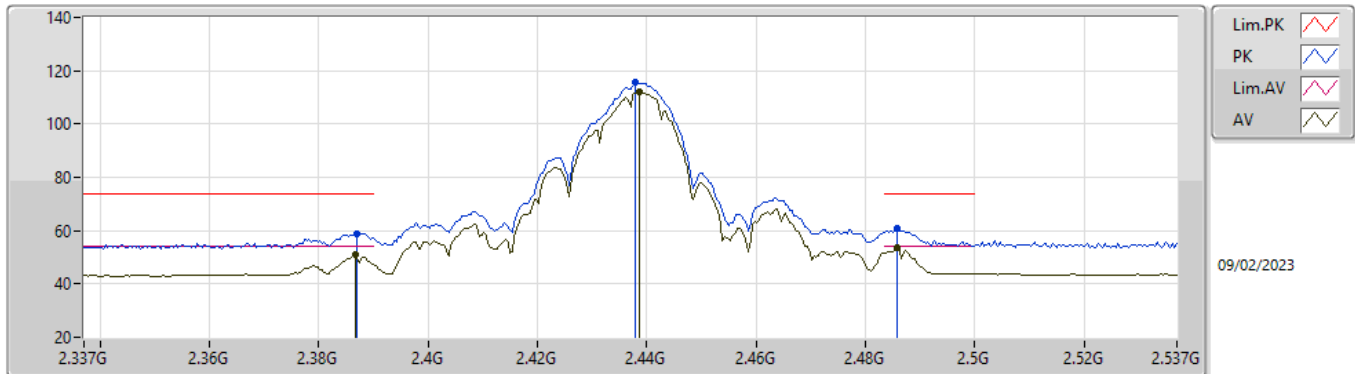


EUT Y_2TX
Setting 22
04-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	60.97	74.00	-13.03	30.14	3	Vertical	97	2.27	-	27.64	3.19	-
AV	2.3898G	53.92	54.00	-0.08	23.09	3	Vertical	97	2.27	-	27.64	3.19	-
PK	2.4362G	120.70	Inf	-Inf	89.76	3	Vertical	97	2.27	-	27.70	3.24	-
AV	2.4362G	116.84	Inf	-Inf	85.90	3	Vertical	97	2.27	-	27.70	3.24	-
PK	2.497G	58.27	74.00	-15.73	27.08	3	Vertical	97	2.27	-	27.89	3.30	-
AV	2.4835G	48.84	54.00	-5.16	17.73	3	Vertical	97	2.27	-	27.83	3.28	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

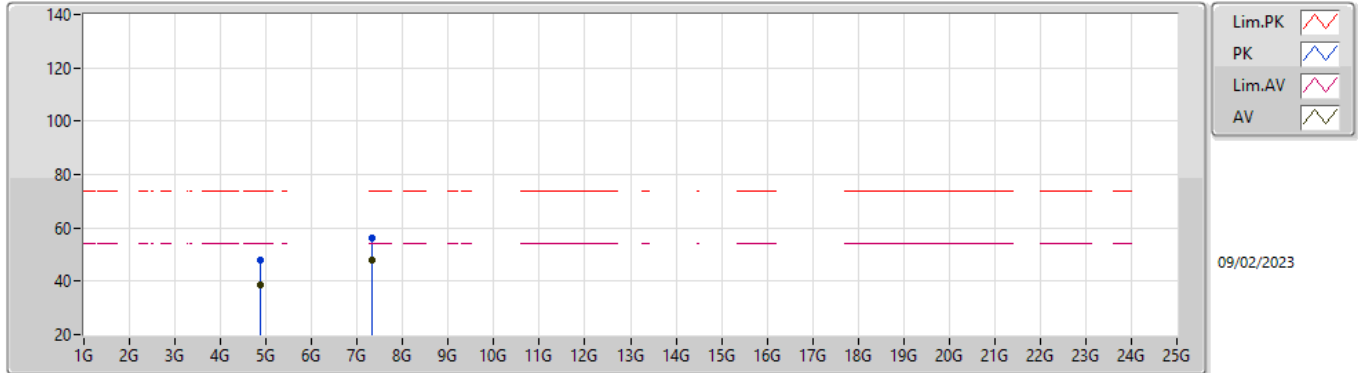


EUT Y_2TX
Setting 22
04-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.387G	58.86	74.00	-15.14	28.05	3	Horizontal	57	1.84	-	27.62	3.19	-
AV	2.3866G	50.94	54.00	-3.06	20.13	3	Horizontal	57	1.84	-	27.62	3.19	-
PK	2.4378G	115.61	Inf	-Inf	84.67	3	Horizontal	57	1.84	-	27.70	3.24	-
AV	2.4386G	111.90	Inf	-Inf	80.96	3	Horizontal	57	1.84	-	27.70	3.24	-
PK	2.4858G	60.68	74.00	-13.32	29.55	3	Horizontal	57	1.84	-	27.84	3.29	-
AV	2.4858G	53.38	54.00	-0.62	22.25	3	Horizontal	57	1.84	-	27.84	3.29	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

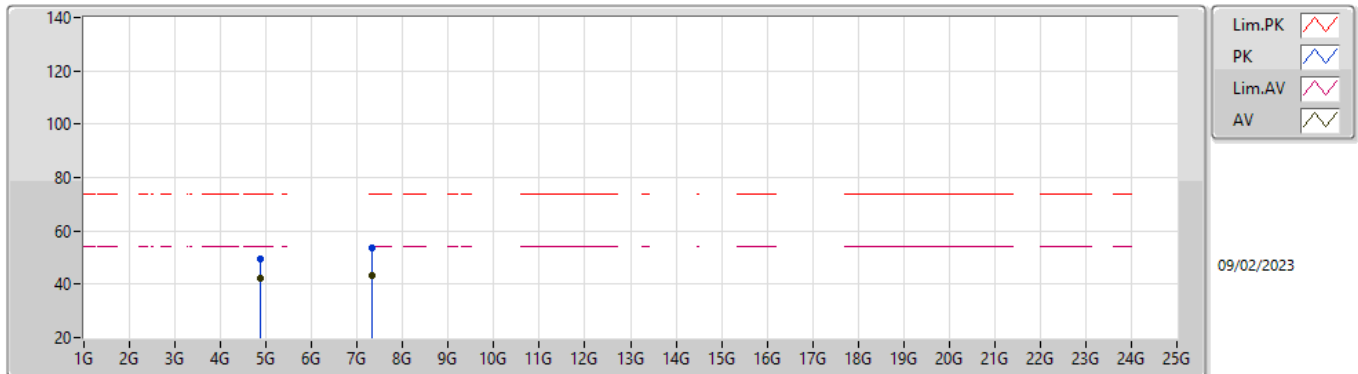


EUTY_2TX
Setting 22
04-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87378G	47.91	74.00	-26.09	42.49	3	Vertical	75	1.76	-	32.75	5.30	32.63
AV	4.87398G	38.66	54.00	-15.34	33.24	3	Vertical	75	1.76	-	32.75	5.30	32.63
PK	7.3126G	56.00	74.00	-18.00	44.61	3	Vertical	101	1.86	-	37.70	6.91	33.22
AV	7.31176G	47.71	54.00	-6.29	36.32	3	Vertical	101	1.86	-	37.70	6.91	33.22

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

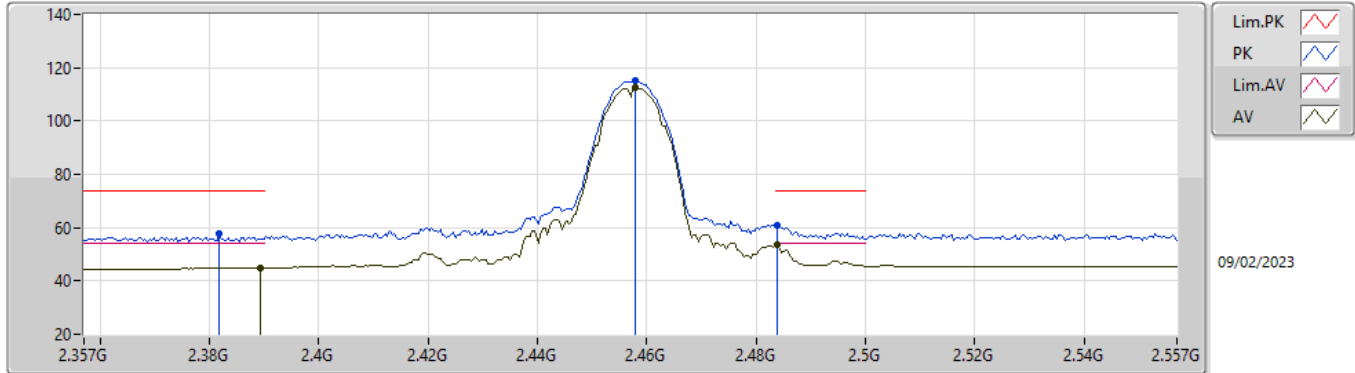


EUT Y_2TX
Setting 22
04-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87388G	49.32	74.00	-24.68	43.90	3	Horizontal	125	1.80	-	32.75	5.30	32.63
AV	4.87392G	42.38	54.00	-11.62	36.96	3	Horizontal	125	1.80	-	32.75	5.30	32.63
PK	7.31148G	53.77	74.00	-20.23	42.38	3	Horizontal	131	1.91	-	37.70	6.91	33.22
AV	7.31172G	43.46	54.00	-10.54	32.07	3	Horizontal	131	1.91	-	37.70	6.91	33.22

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX

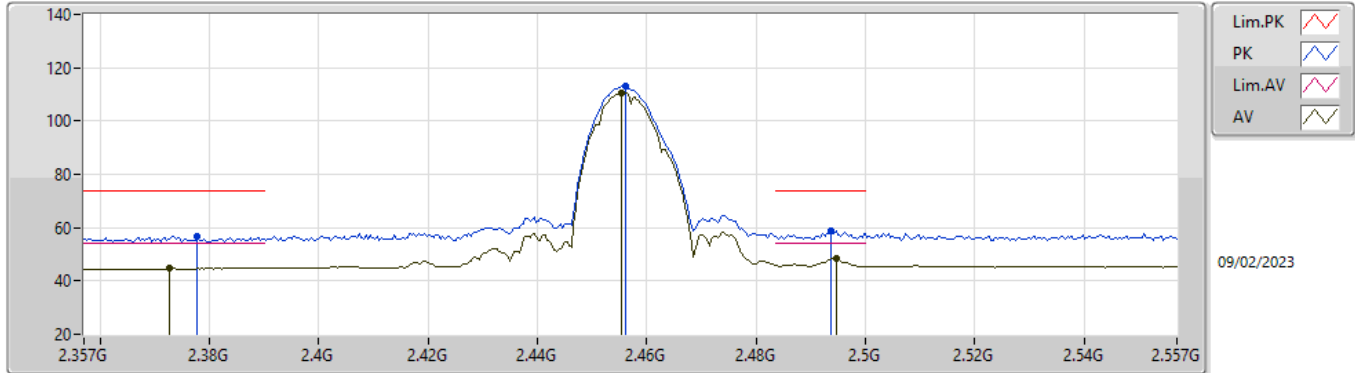


EUT Y_2TX
Setting 19
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3818G	57.62	74.00	-16.38	26.84	3	Vertical	122	1.84	-	27.59	3.19	-
AV	2.3894G	44.87	54.00	-9.13	14.04	3	Vertical	122	1.84	-	27.64	3.19	-
PK	2.4578G	115.23	Inf	-Inf	84.24	3	Vertical	122	1.84	-	27.73	3.26	-
AV	2.4578G	112.83	Inf	-Inf	81.84	3	Vertical	122	1.84	-	27.73	3.26	-
PK	2.4838G	61.01	74.00	-12.99	29.89	3	Vertical	122	1.84	-	27.84	3.28	-
AV	2.4838G	53.57	54.00	-0.43	22.45	3	Vertical	122	1.84	-	27.84	3.28	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX

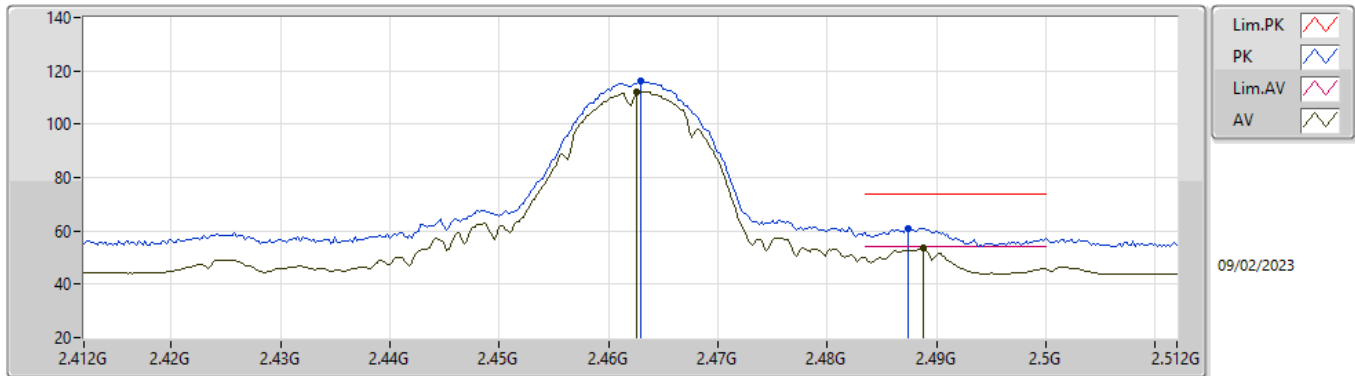


EUT Y_2TX
Setting 19
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3778G	56.89	74.00	-17.11	26.13	3	Horizontal	46	2.06	-	27.57	3.19	-
AV	2.3726G	44.82	54.00	-9.18	14.09	3	Horizontal	46	2.06	-	27.54	3.19	-
PK	2.4562G	112.92	Inf	-Inf	81.94	3	Horizontal	46	2.06	-	27.72	3.26	-
AV	2.4554G	110.49	Inf	-Inf	79.51	3	Horizontal	46	2.06	-	27.72	3.26	-
PK	2.4938G	59.04	74.00	-14.96	27.87	3	Horizontal	46	2.06	-	27.88	3.29	-
AV	2.4946G	48.61	54.00	-5.39	17.44	3	Horizontal	46	2.06	-	27.88	3.29	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

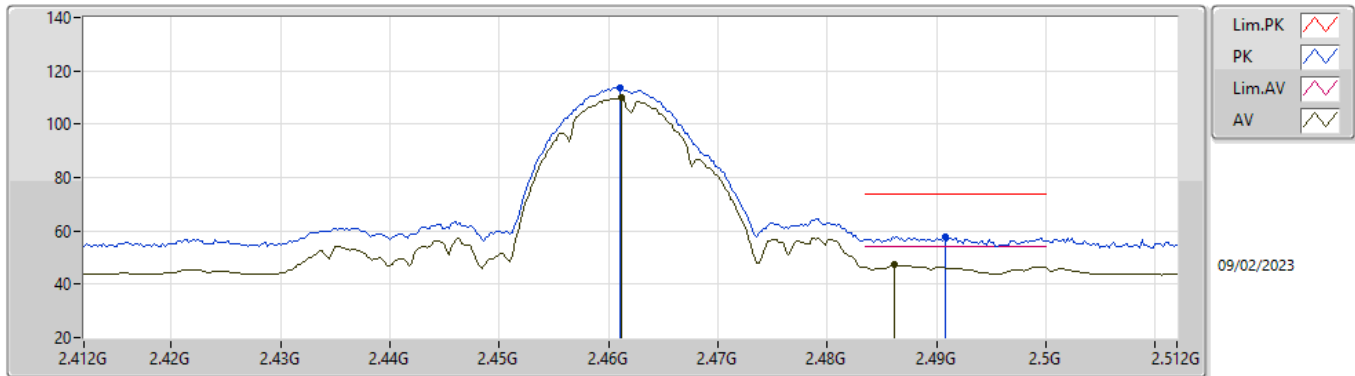


EUT Y_2TX
Setting 19
04-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.463G	116.36	Inf	-Inf	85.35	3	Vertical	123	1.80	-	27.75	3.26	-
AV	2.4626G	112.23	Inf	-Inf	81.22	3	Vertical	123	1.80	-	27.75	3.26	-
PK	2.4874G	61.05	74.00	-12.95	29.91	3	Vertical	123	1.80	-	27.85	3.29	-
AV	2.4888G	53.79	54.00	-0.21	22.64	3	Vertical	123	1.80	-	27.86	3.29	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

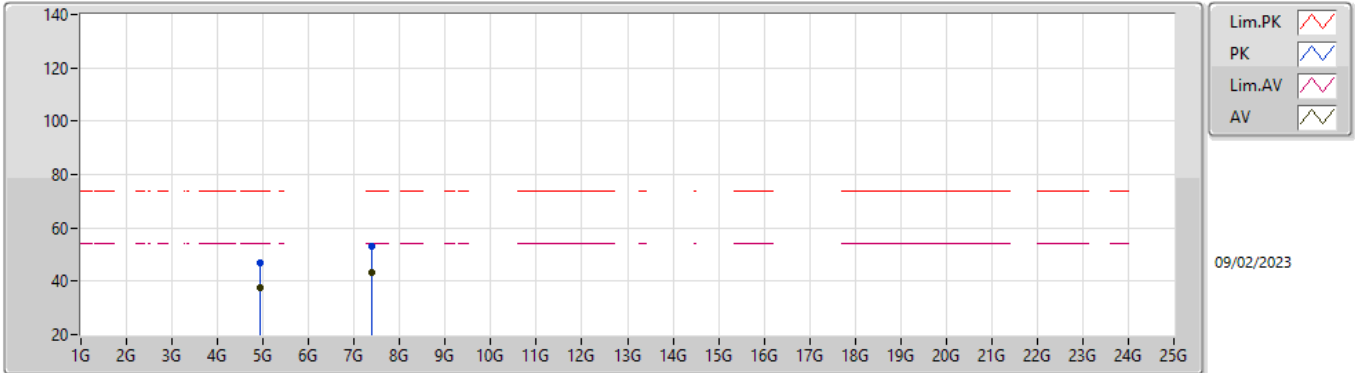


EUTY_2TX
Setting 19
04-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.461G	113.82	Inf	-Inf	82.82	3	Horizontal	54	1.00	-	27.74	3.26	-
AV	2.4612G	109.88	Inf	-Inf	78.88	3	Horizontal	54	1.00	-	27.74	3.26	-
PK	2.4908G	57.65	74.00	-16.35	26.50	3	Horizontal	54	1.00	-	27.86	3.29	-
AV	2.4862G	47.26	54.00	-6.74	16.13	3	Horizontal	54	1.00	-	27.84	3.29	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

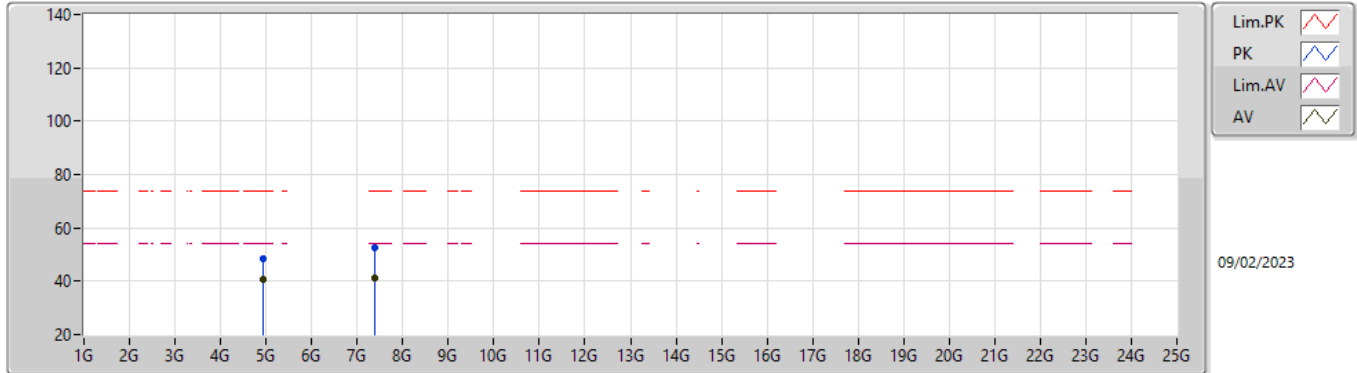


EUTY_2TX
Setting 19
04-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92408G	46.90	74.00	-27.10	41.35	3	Vertical	71	1.72	-	32.85	5.30	32.60
AV	4.92392G	37.49	54.00	-16.51	31.94	3	Vertical	71	1.72	-	32.85	5.30	32.60
PK	7.38692G	53.31	74.00	-20.69	42.01	3	Vertical	103	1.80	-	37.55	6.99	33.24
AV	7.38508G	43.23	54.00	-10.77	31.92	3	Vertical	103	1.80	-	37.56	6.99	33.24

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

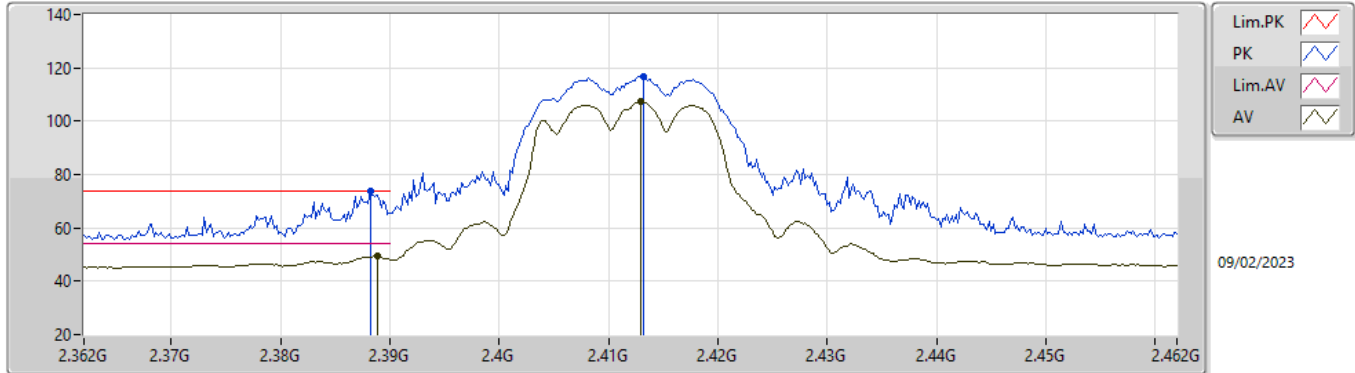


EUT Y_2TX
Setting 19
04-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92392G	48.43	74.00	-25.57	42.88	3	Horizontal	124	1.80	-	32.85	5.30	32.60
AV	4.92396G	40.84	54.00	-13.16	35.29	3	Horizontal	124	1.80	-	32.85	5.30	32.60
PK	7.38132G	52.76	74.00	-21.24	41.45	3	Horizontal	129	1.82	-	37.57	6.98	33.24
AV	7.38508G	41.01	54.00	-12.99	29.70	3	Horizontal	129	1.82	-	37.56	6.99	33.24

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

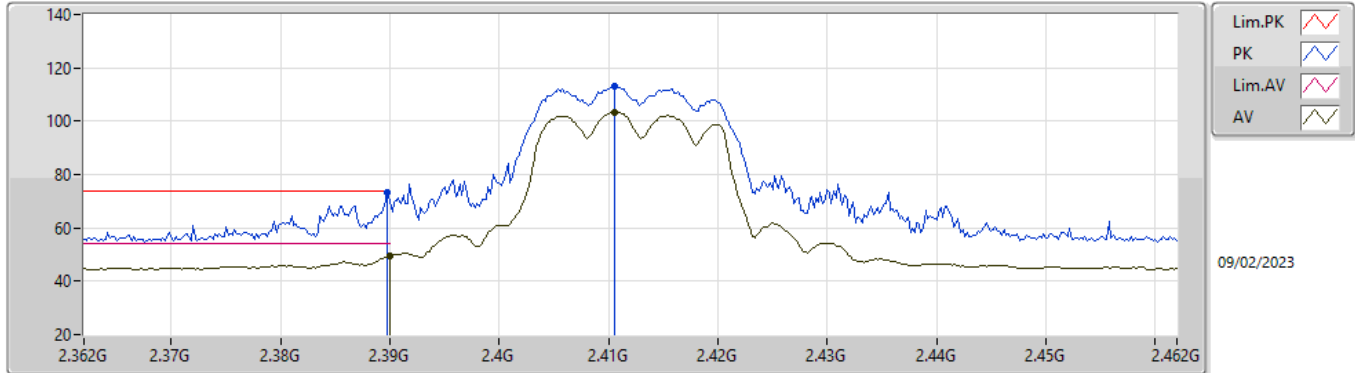


EUT Y_2TX
Setting 17
04-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3882G	73.89	74.00	-0.11	43.07	3	Vertical	106	1.62	-	27.63	3.19	-
AV	2.3888G	49.30	54.00	-4.70	18.48	3	Vertical	106	1.62	-	27.63	3.19	-
PK	2.4132G	116.69	Inf	-Inf	85.78	3	Vertical	106	1.62	-	27.70	3.21	-
AV	2.413G	107.34	Inf	-Inf	76.43	3	Vertical	106	1.62	-	27.70	3.21	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

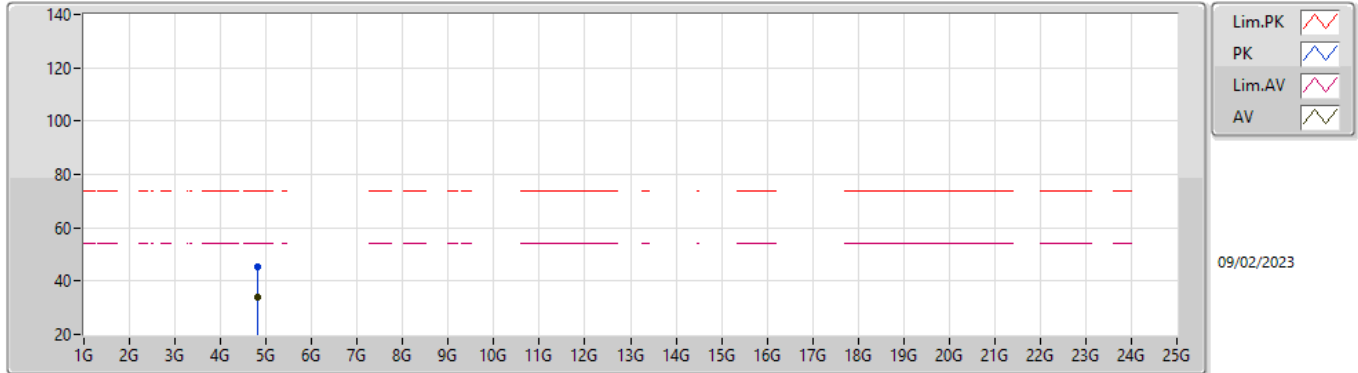


EUTY_2TX
Setting 17
04-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	73.34	74.00	-0.66	42.51	3	Horizontal	48	1.64	-	27.64	3.19	-
AV	2.39G	49.70	54.00	-4.30	18.86	3	Horizontal	48	1.64	-	27.64	3.20	-
PK	2.4106G	113.12	Inf	-Inf	82.21	3	Horizontal	48	1.64	-	27.70	3.21	-
AV	2.4106G	103.44	Inf	-Inf	72.53	3	Horizontal	48	1.64	-	27.70	3.21	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

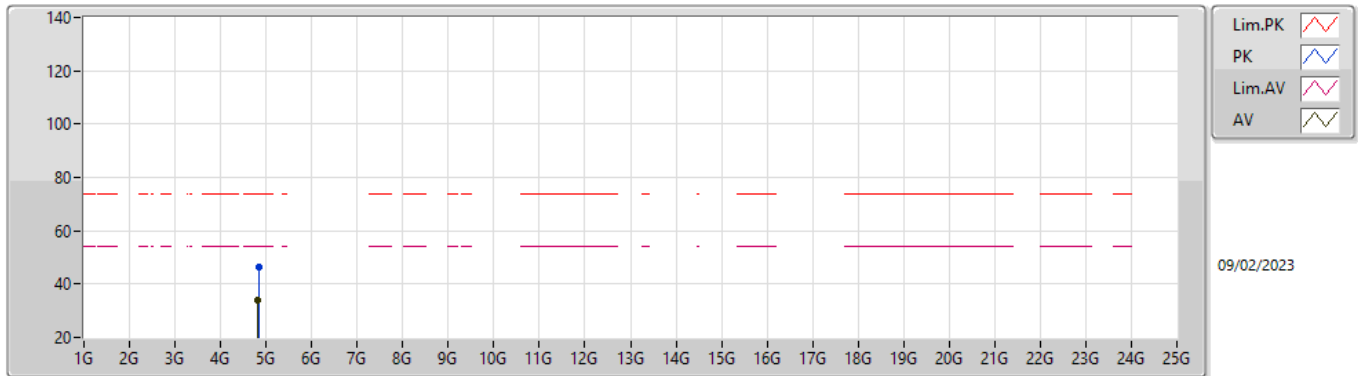


EUT Y_2TX
Setting 17
04-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82404G	45.25	74.00	-28.75	39.95	3	Vertical	55	1.80	-	32.65	5.30	32.65
AV	4.81716G	33.77	54.00	-20.23	28.50	3	Vertical	55	1.80	-	32.63	5.30	32.66

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

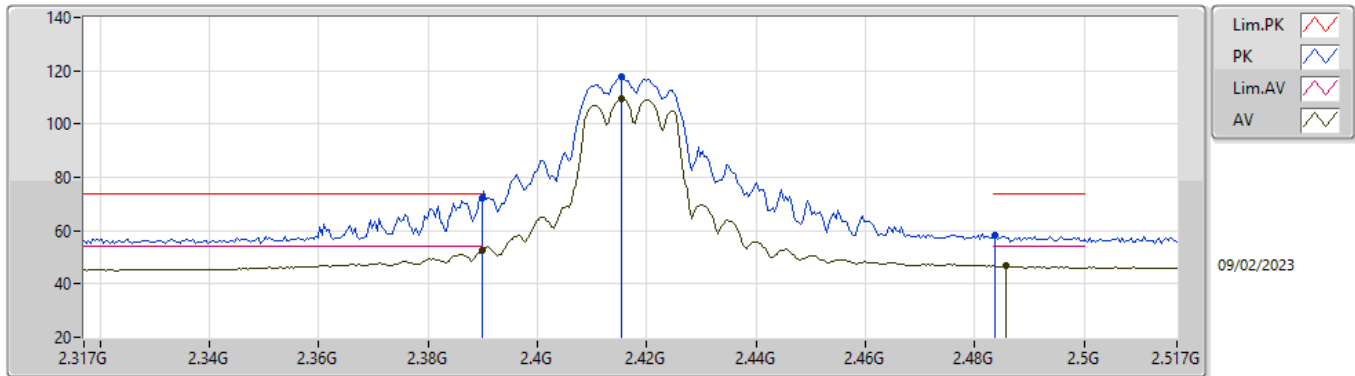


EUT Y_2TX
Setting 17
04-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8336G	46.38	74.00	-27.62	41.06	3	Horizontal	120	1.80	-	32.67	5.30	32.65
AV	4.81816G	33.92	54.00	-20.08	28.63	3	Horizontal	120	1.80	-	32.64	5.30	32.65

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

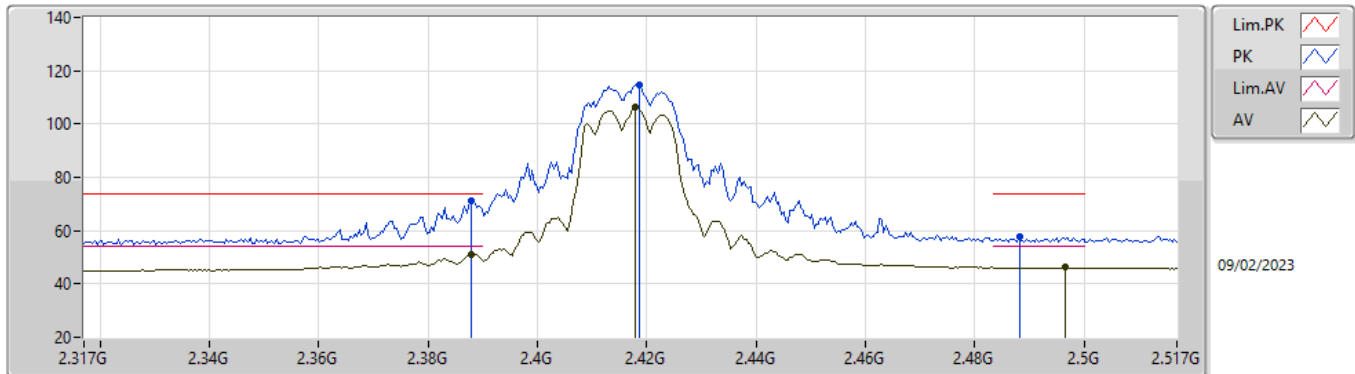


EUT Y_2TX
Setting 18
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	72.34	74.00	-1.66	41.51	3	Vertical	107	1.98	-	27.64	3.19	-
AV	2.3898G	52.41	54.00	-1.59	21.58	3	Vertical	107	1.98	-	27.64	3.19	-
PK	2.4154G	117.74	Inf	-Inf	86.82	3	Vertical	107	1.98	-	27.70	3.22	-
AV	2.4154G	109.40	Inf	-Inf	78.48	3	Vertical	107	1.98	-	27.70	3.22	-
PK	2.4838G	58.23	74.00	-15.77	27.11	3	Vertical	107	1.98	-	27.84	3.28	-
AV	2.4858G	47.03	54.00	-6.97	15.90	3	Vertical	107	1.98	-	27.84	3.29	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

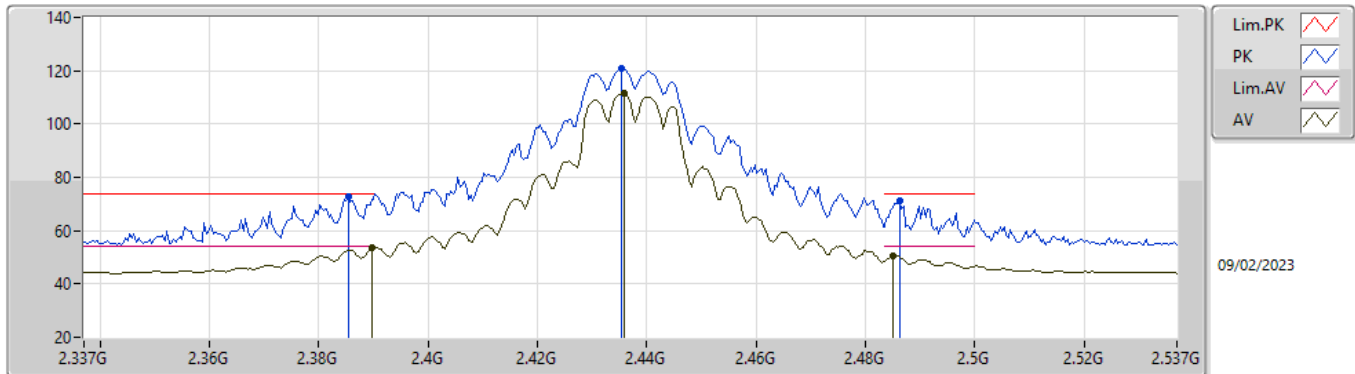


EUT Y_2TX
Setting 18
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3878G	71.46	74.00	-2.54	40.64	3	Horizontal	52	1.06	-	27.63	3.19	-
AV	2.3878G	51.25	54.00	-2.75	20.43	3	Horizontal	52	1.06	-	27.63	3.19	-
PK	2.4186G	114.68	Inf	-Inf	83.76	3	Horizontal	52	1.06	-	27.70	3.22	-
AV	2.4178G	106.19	Inf	-Inf	75.27	3	Horizontal	52	1.06	-	27.70	3.22	-
PK	2.4882G	57.81	74.00	-16.19	26.67	3	Horizontal	52	1.06	-	27.85	3.29	-
AV	2.4966G	46.13	54.00	-7.87	14.94	3	Horizontal	52	1.06	-	27.89	3.30	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

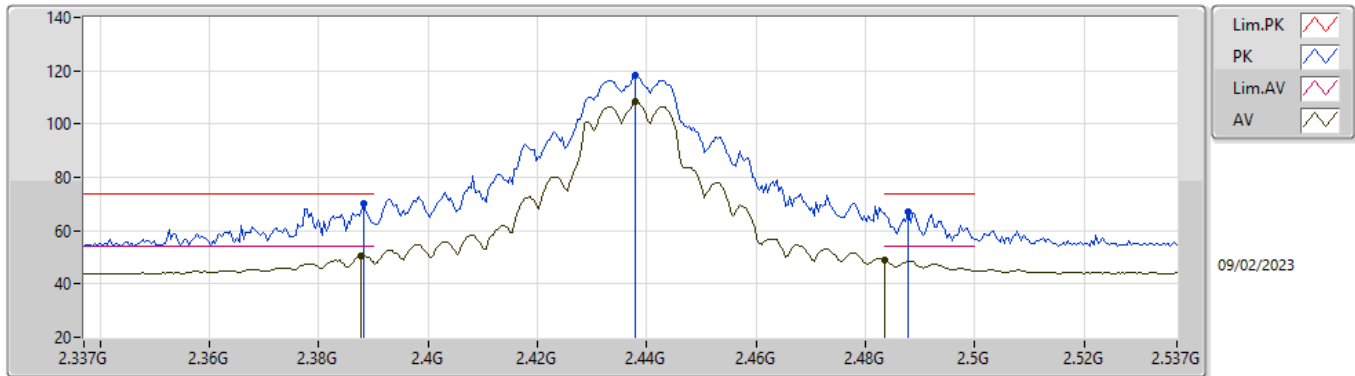


EUT Y_2TX
Setting 22
04-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3854G	72.75	74.00	-1.25	41.95	3	Vertical	108	2.26	-	27.61	3.19	-
AV	2.3898G	53.53	54.00	-0.47	22.70	3	Vertical	108	2.26	-	27.64	3.19	-
PK	2.4354G	120.86	Inf	-Inf	89.92	3	Vertical	108	2.26	-	27.70	3.24	-
AV	2.4358G	111.61	Inf	-Inf	80.67	3	Vertical	108	2.26	-	27.70	3.24	-
PK	2.4862G	71.42	74.00	-2.58	40.29	3	Vertical	108	2.26	-	27.84	3.29	-
AV	2.485G	50.44	54.00	-3.56	19.31	3	Vertical	108	2.26	-	27.84	3.29	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

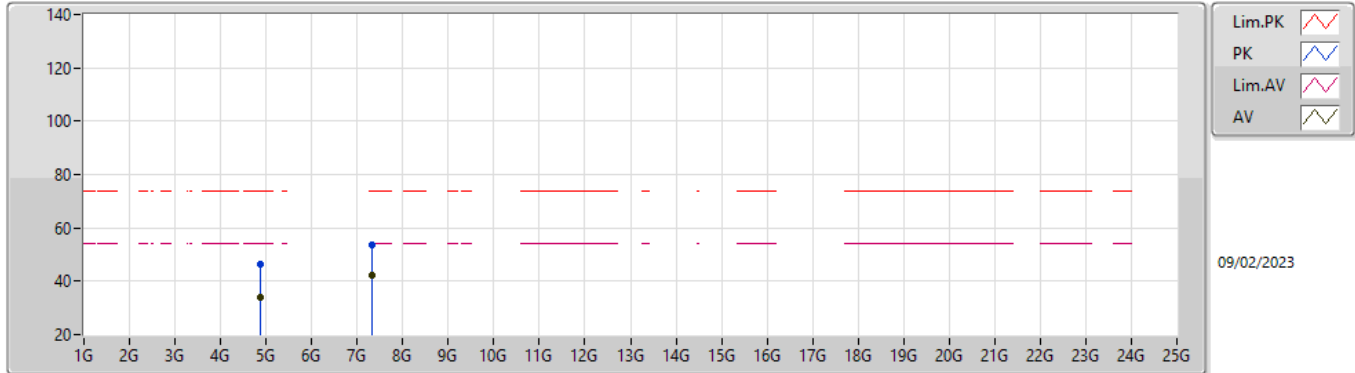


EUT Y_2TX
Setting 22
04-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3882G	70.11	74.00	-3.89	39.29	3	Horizontal	46	1.79	-	27.63	3.19	-
AV	2.3878G	50.35	54.00	-3.65	19.53	3	Horizontal	46	1.79	-	27.63	3.19	-
PK	2.4378G	118.24	Inf	-Inf	87.30	3	Horizontal	46	1.79	-	27.70	3.24	-
AV	2.4378G	108.35	Inf	-Inf	77.41	3	Horizontal	46	1.79	-	27.70	3.24	-
PK	2.4878G	67.09	74.00	-6.91	35.95	3	Horizontal	46	1.79	-	27.85	3.29	-
AV	2.4835G	49.19	54.00	-4.81	18.08	3	Horizontal	46	1.79	-	27.83	3.28	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

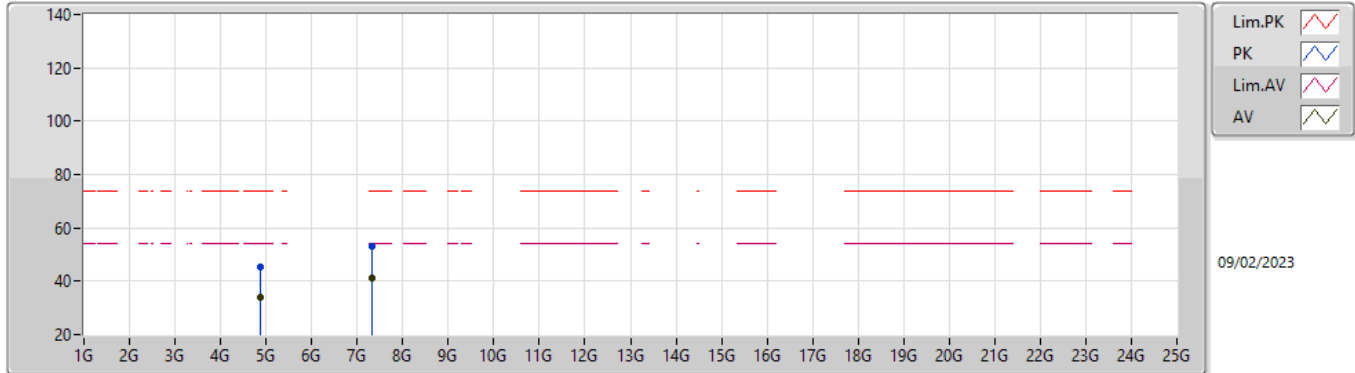


EUT Y_2TX
Setting 22
04-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.86588G	46.21	74.00	-27.79	40.81	3	Vertical	75	1.57	-	32.73	5.30	32.63
AV	4.87524G	33.87	54.00	-20.13	28.44	3	Vertical	75	1.57	-	32.75	5.30	32.62
PK	7.31188G	53.86	74.00	-20.14	42.47	3	Vertical	103	1.86	-	37.70	6.91	33.22
AV	7.31172G	42.12	54.00	-11.88	30.73	3	Vertical	103	1.86	-	37.70	6.91	33.22

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

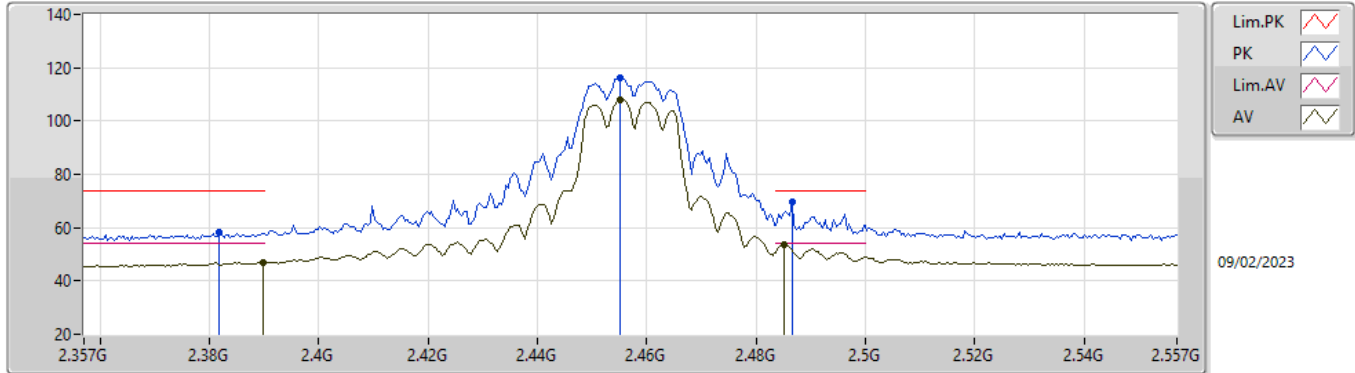


EUT Y_2TX
Setting 22
04-C-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87836G	45.50	74.00	-28.50	40.06	3	Horizontal	116	1.42	-	32.76	5.30	32.62
AV	4.87324G	33.98	54.00	-20.02	28.56	3	Horizontal	116	1.42	-	32.75	5.30	32.63
PK	7.31152G	53.17	74.00	-20.83	41.78	3	Horizontal	122	3.00	-	37.70	6.91	33.22
AV	7.31188G	41.23	54.00	-12.77	29.84	3	Horizontal	122	3.00	-	37.70	6.91	33.22

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

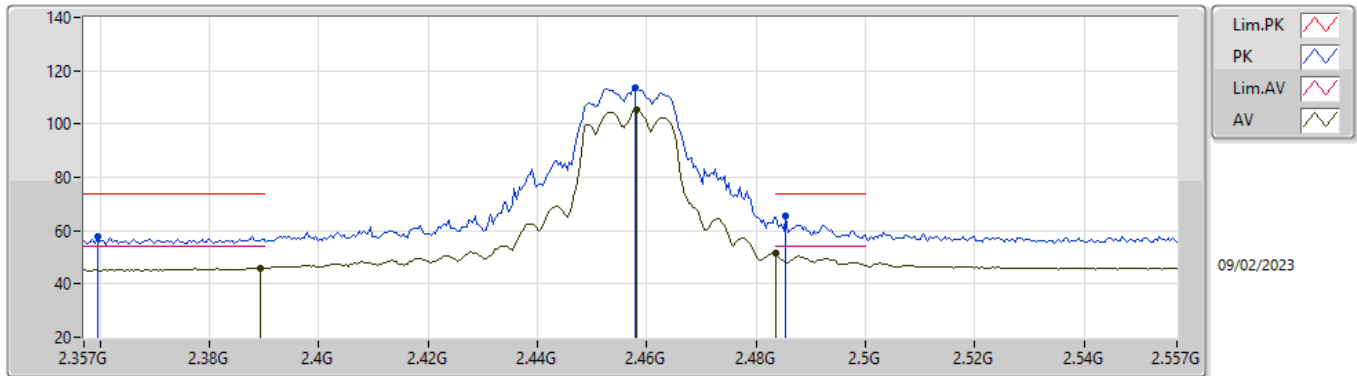


EUT Y_2TX
Setting 18.5
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3818G	58.24	74.00	-15.76	27.46	3	Vertical	104	1.80	-	27.59	3.19	-
AV	2.3898G	47.11	54.00	-6.89	16.28	3	Vertical	104	1.80	-	27.64	3.19	-
PK	2.455G	116.07	Inf	-Inf	85.09	3	Vertical	104	1.80	-	27.72	3.26	-
AV	2.455G	108.06	Inf	-Inf	77.08	3	Vertical	104	1.80	-	27.72	3.26	-
PK	2.4866G	69.62	74.00	-4.38	38.48	3	Vertical	104	1.80	-	27.85	3.29	-
AV	2.485G	53.78	54.00	-0.22	22.65	3	Vertical	104	1.80	-	27.84	3.29	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

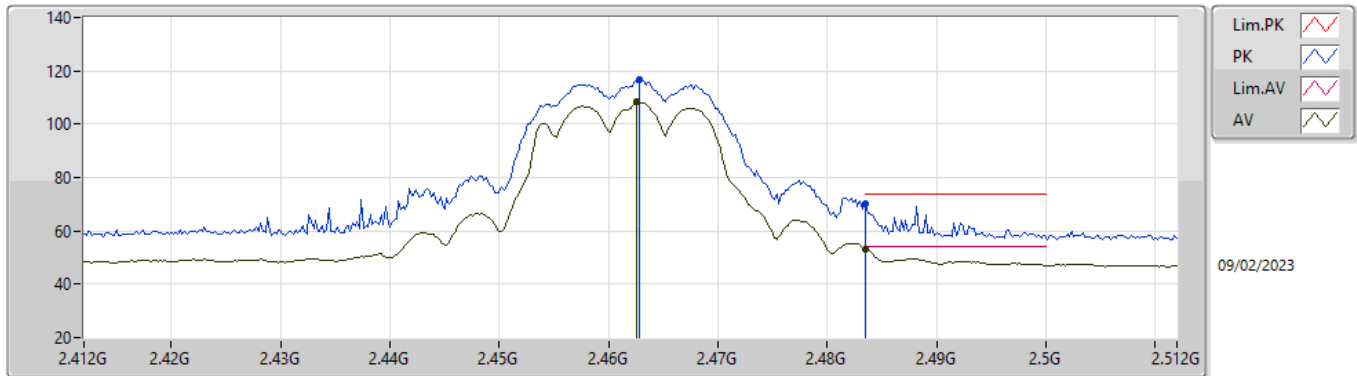


EUT Y_2TX
Setting 18.5
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3594G	57.65	74.00	-16.35	27.01	3	Horizontal	58	1.65	-	27.46	3.18	-
AV	2.3894G	46.06	54.00	-7.94	15.23	3	Horizontal	58	1.65	-	27.64	3.19	-
PK	2.4578G	113.53	Inf	-Inf	82.54	3	Horizontal	58	1.65	-	27.73	3.26	-
AV	2.4582G	105.28	Inf	-Inf	74.29	3	Horizontal	58	1.65	-	27.73	3.26	-
PK	2.4854G	65.61	74.00	-8.39	34.48	3	Horizontal	58	1.65	-	27.84	3.29	-
AV	2.4835G	51.36	54.00	-2.64	20.25	3	Horizontal	58	1.65	-	27.83	3.28	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

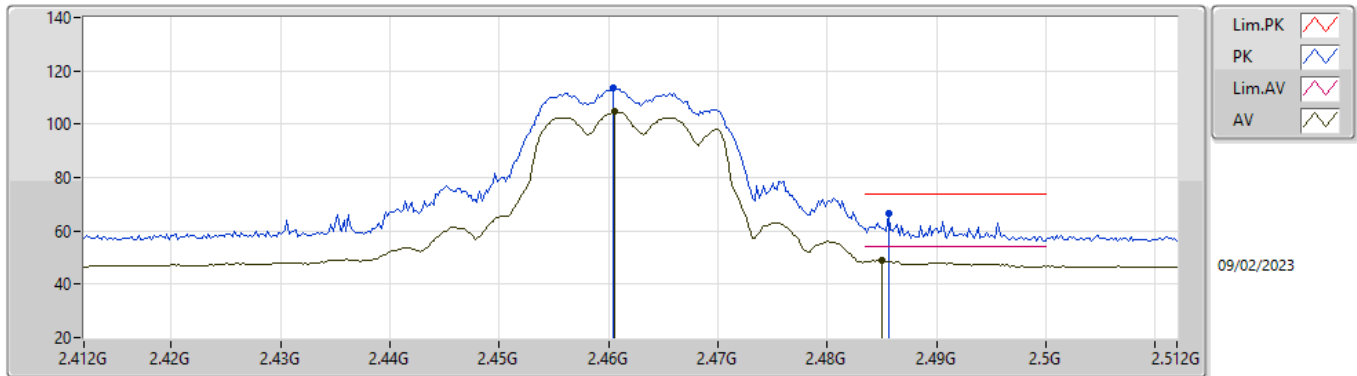


EUT Y_2TX
Setting 17.5
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4628G	116.62	Inf	-Inf	85.61	3	Vertical	103	1.67	-	27.75	3.26	-
AV	2.4626G	108.25	Inf	-Inf	77.24	3	Vertical	103	1.67	-	27.75	3.26	-
PK	2.4835G	69.94	74.00	-4.06	38.83	3	Vertical	103	1.67	-	27.83	3.28	-
AV	2.4835G	53.24	54.00	-0.76	22.13	3	Vertical	103	1.67	-	27.83	3.28	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

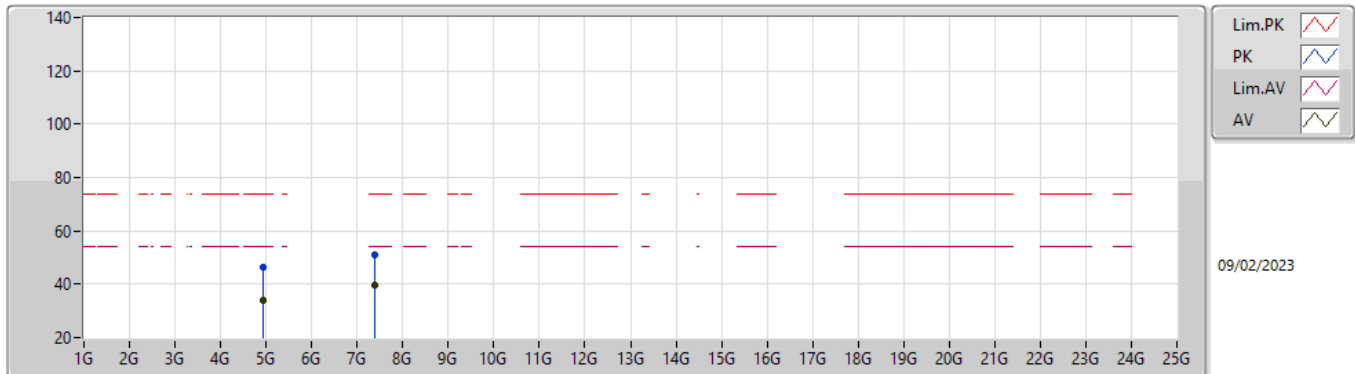


EUT Y_2TX
Setting 17.5
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4604G	113.71	Inf	-Inf	82.71	3	Horizontal	55	1.66	-	27.74	3.26	-
AV	2.4606G	104.59	Inf	-Inf	73.59	3	Horizontal	55	1.66	-	27.74	3.26	-
PK	2.4856G	66.70	74.00	-7.30	35.57	3	Horizontal	55	1.66	-	27.84	3.29	-
AV	2.485G	49.14	54.00	-4.86	18.01	3	Horizontal	55	1.66	-	27.84	3.29	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

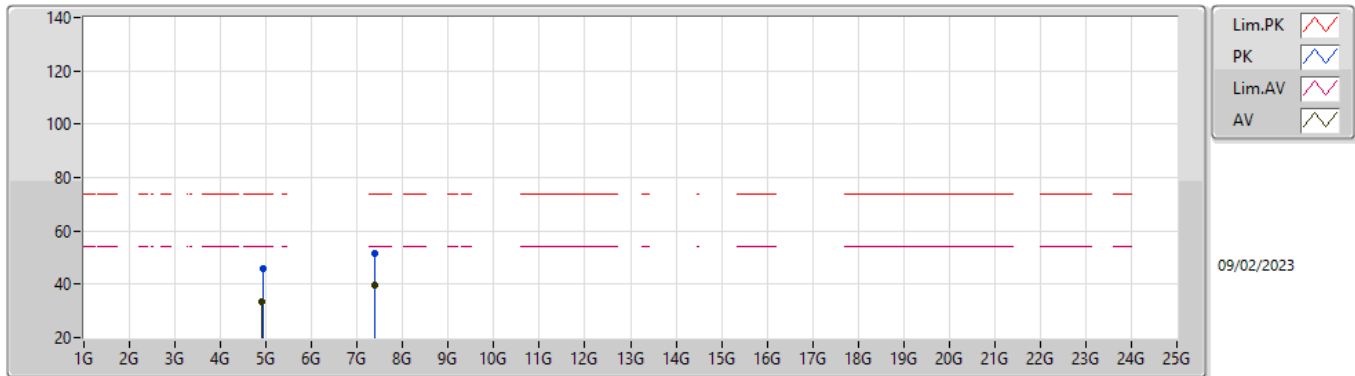


EUT Y_2TX
Setting 17.5
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92356G	46.22	74.00	-27.78	40.67	3	Vertical	48	1.98	-	32.85	5.30	32.60
AV	4.92892G	33.87	54.00	-20.13	28.31	3	Vertical	48	1.98	-	32.86	5.30	32.60
PK	7.38548G	51.29	74.00	-22.71	39.98	3	Vertical	142	1.95	-	37.56	6.99	33.24
AV	7.3784G	39.48	54.00	-14.52	28.15	3	Vertical	142	1.95	-	37.59	6.98	33.24

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

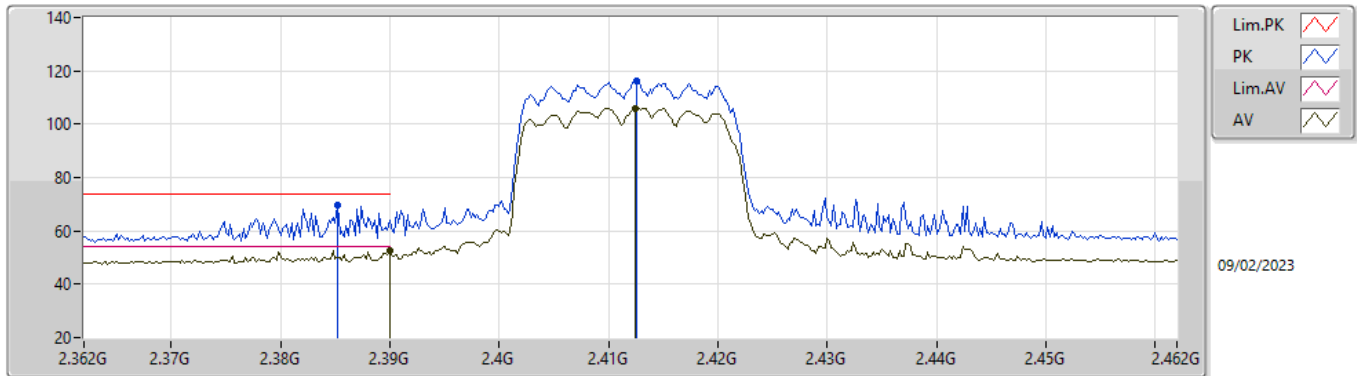


EUT Y_2TX
Setting 17.5
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.93348G	45.66	74.00	-28.34	40.08	3	Horizontal	277	1.47	-	32.87	5.30	32.59
AV	4.91536G	33.68	54.00	-20.32	28.15	3	Horizontal	277	1.47	-	32.83	5.30	32.60
PK	7.38692G	51.54	74.00	-22.46	40.24	3	Horizontal	43	1.81	-	37.55	6.99	33.24
AV	7.379G	39.53	54.00	-14.47	28.21	3	Horizontal	43	1.81	-	37.58	6.98	33.24

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

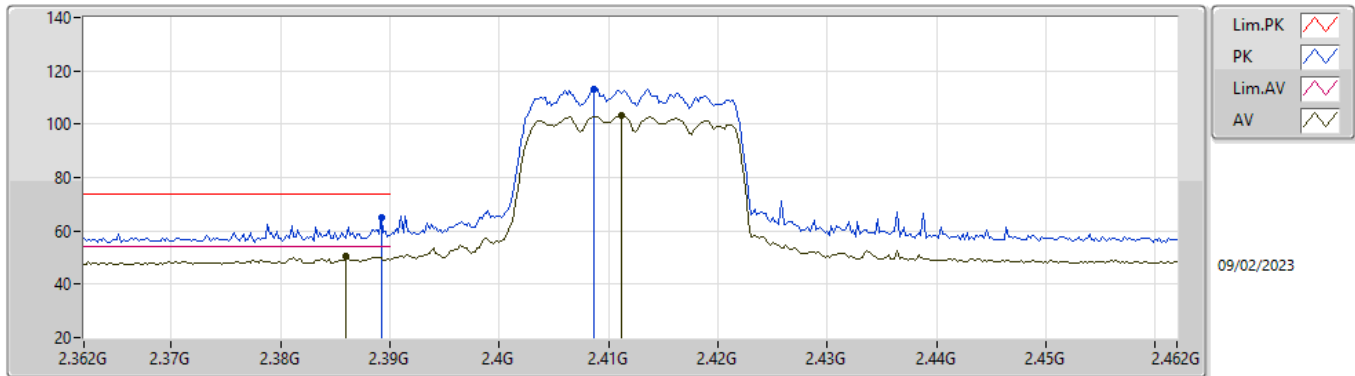


EUT Y_2TX
Setting 15
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3852G	69.67	74.00	-4.33	38.87	3	Vertical	106	2.06	-	27.61	3.19	-
AV	2.39G	52.74	54.00	-1.26	21.90	3	Vertical	106	2.06	-	27.64	3.20	-
PK	2.4126G	116.42	Inf	-Inf	85.51	3	Vertical	106	2.06	-	27.70	3.21	-
AV	2.4124G	105.97	Inf	-Inf	75.06	3	Vertical	106	2.06	-	27.70	3.21	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

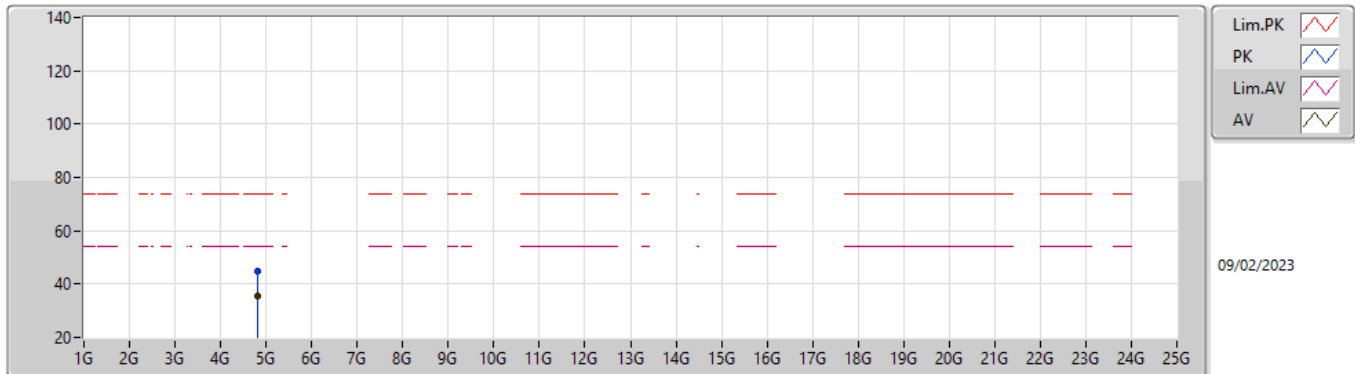


EUT Y_2TX
Setting 15
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3892G	65.13	74.00	-8.87	34.30	3	Horizontal	55	1.96	-	27.64	3.19	-
AV	2.386G	50.34	54.00	-3.66	19.53	3	Horizontal	55	1.96	-	27.62	3.19	-
PK	2.4086G	113.19	Inf	-Inf	82.28	3	Horizontal	55	1.96	-	27.70	3.21	-
AV	2.4112G	103.46	Inf	-Inf	72.55	3	Horizontal	55	1.96	-	27.70	3.21	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

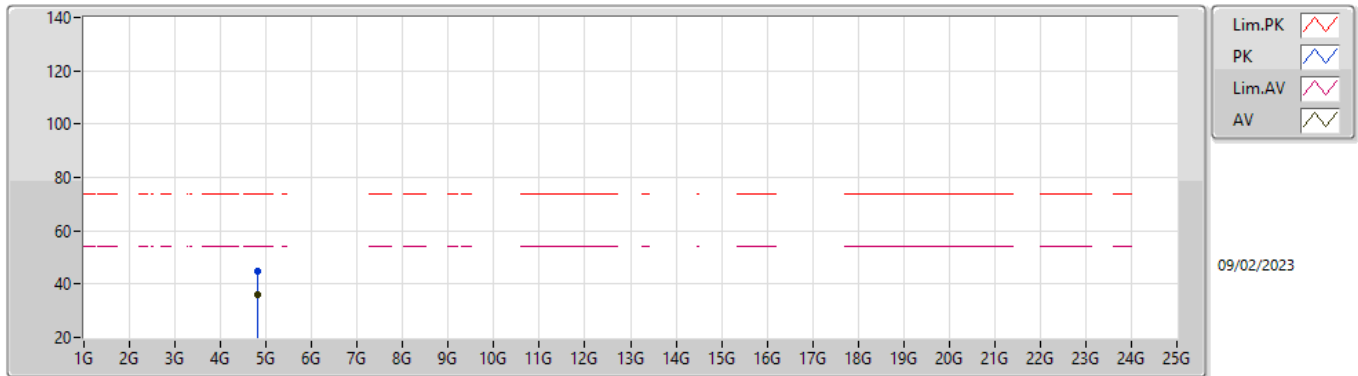


EUT Y_2TX
Setting 15
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8242G	44.99	74.00	-29.01	39.69	3	Vertical	252	2.18	-	32.65	5.30	32.65
AV	4.82164G	35.57	54.00	-18.43	30.28	3	Vertical	252	2.18	-	32.64	5.30	32.65

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz_TX

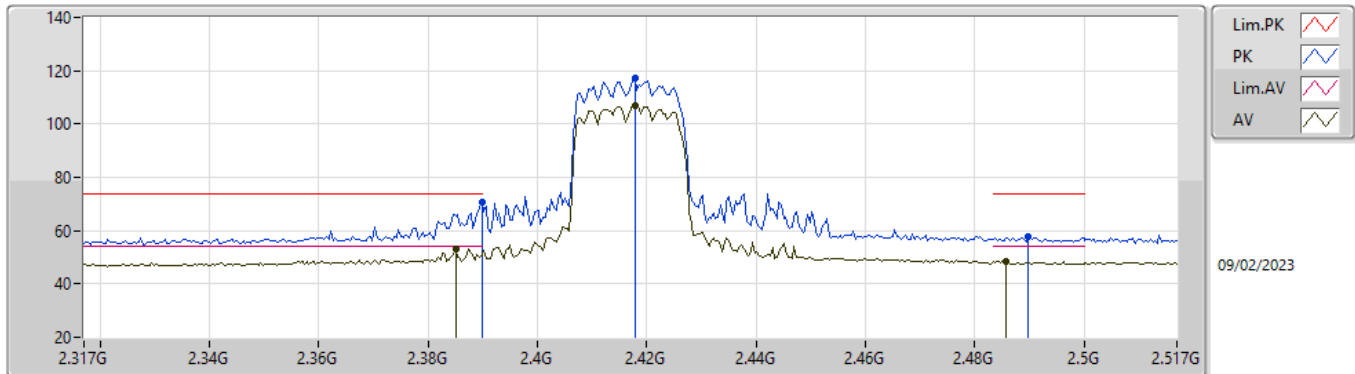


EUT Y_2TX
Setting 15
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.81924G	44.90	74.00	-29.10	39.61	3	Horizontal	291	1.90	-	32.64	5.30	32.65
AV	4.82184G	35.83	54.00	-18.17	30.54	3	Horizontal	291	1.90	-	32.64	5.30	32.65

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2417MHz_TX

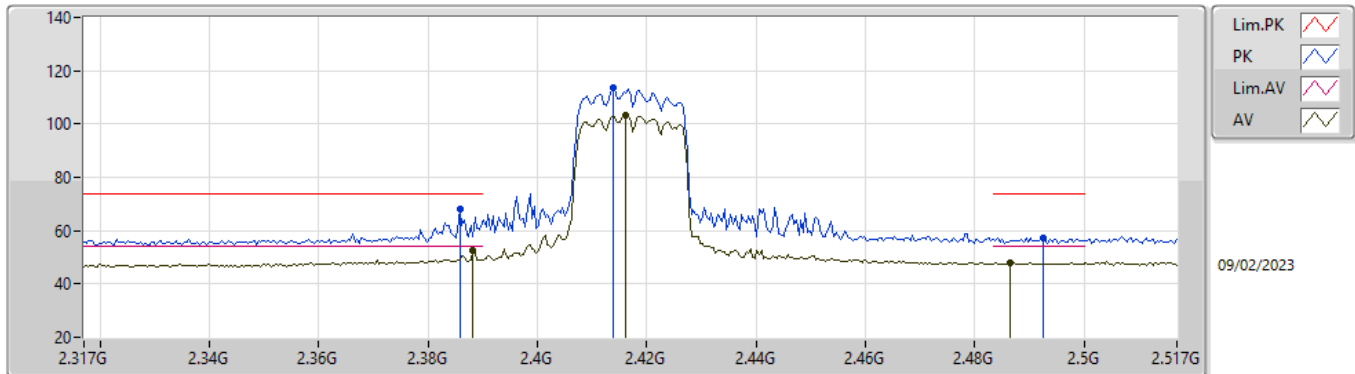


EUT Y_2TX
Setting 15.5
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	70.56	74.00	-3.44	39.73	3	Vertical	104	1.60	-	27.64	3.19	-
AV	2.385G	53.29	54.00	-0.71	22.49	3	Vertical	104	1.60	-	27.61	3.19	-
PK	2.4178G	117.44	Inf	-Inf	86.52	3	Vertical	104	1.60	-	27.70	3.22	-
AV	2.4178G	107.10	Inf	-Inf	76.18	3	Vertical	104	1.60	-	27.70	3.22	-
PK	2.4898G	57.56	74.00	-16.44	26.41	3	Vertical	104	1.60	-	27.86	3.29	-
AV	2.4858G	48.43	54.00	-5.57	17.30	3	Vertical	104	1.60	-	27.84	3.29	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2417MHz_TX

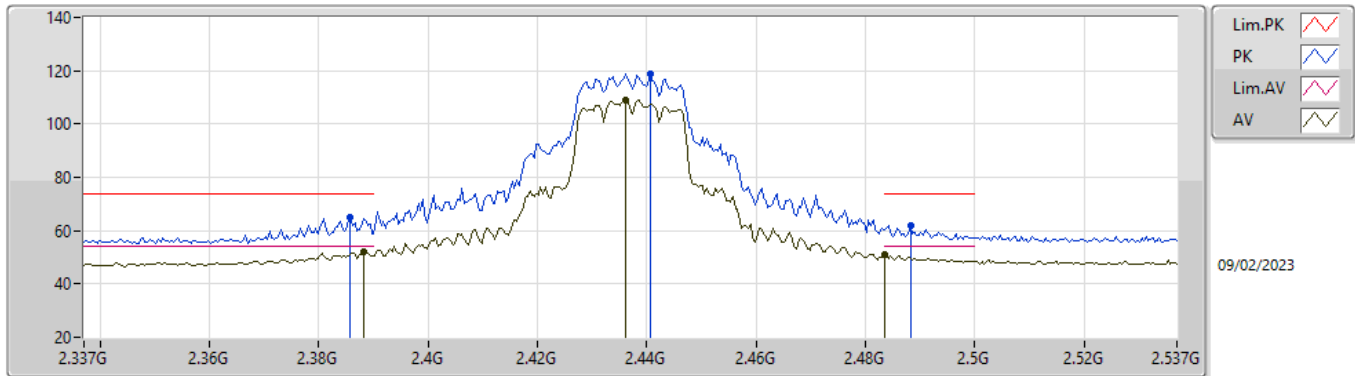


EUT Y_2TX
Setting 15.5
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3858G	68.06	74.00	-5.94	37.26	3	Horizontal	52	1.07	-	27.61	3.19	-
AV	2.3882G	52.40	54.00	-1.60	21.58	3	Horizontal	52	1.07	-	27.63	3.19	-
PK	2.4138G	113.80	Inf	-Inf	82.89	3	Horizontal	52	1.07	-	27.70	3.21	-
AV	2.4162G	103.35	Inf	-Inf	72.43	3	Horizontal	52	1.07	-	27.70	3.22	-
PK	2.4926G	57.30	74.00	-16.70	26.14	3	Horizontal	52	1.07	-	27.87	3.29	-
AV	2.4866G	48.06	54.00	-5.94	16.92	3	Horizontal	52	1.07	-	27.85	3.29	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

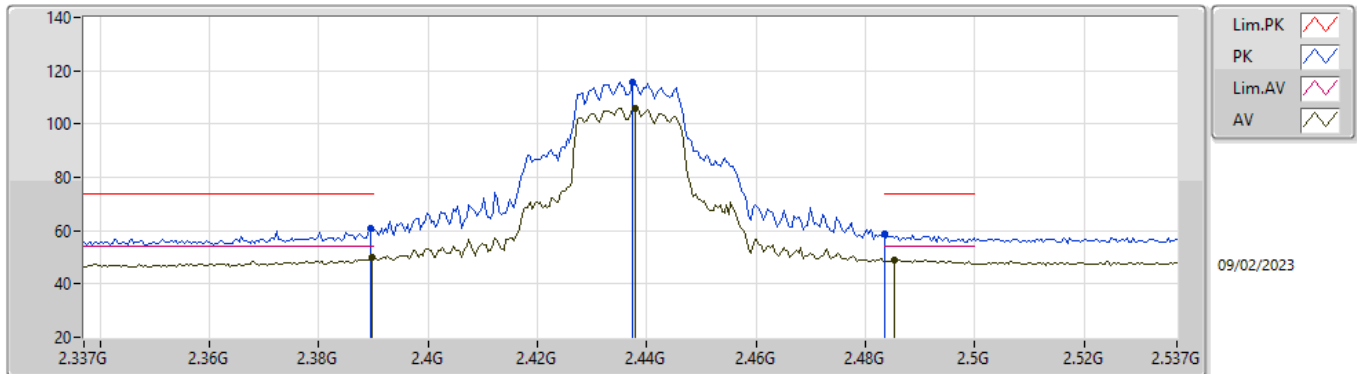


EUT Y_2TX
Setting 18
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3858G	64.77	74.00	-9.23	33.97	3	Vertical	98	2.26	-	27.61	3.19	-
AV	2.3882G	52.18	54.00	-1.82	21.36	3	Vertical	98	2.26	-	27.63	3.19	-
PK	2.4406G	118.92	Inf	-Inf	87.98	3	Vertical	98	2.26	-	27.70	3.24	-
AV	2.4362G	109.10	Inf	-Inf	78.16	3	Vertical	98	2.26	-	27.70	3.24	-
PK	2.4882G	62.07	74.00	-11.93	30.93	3	Vertical	98	2.26	-	27.85	3.29	-
AV	2.4835G	50.82	54.00	-3.18	19.71	3	Vertical	98	2.26	-	27.83	3.28	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

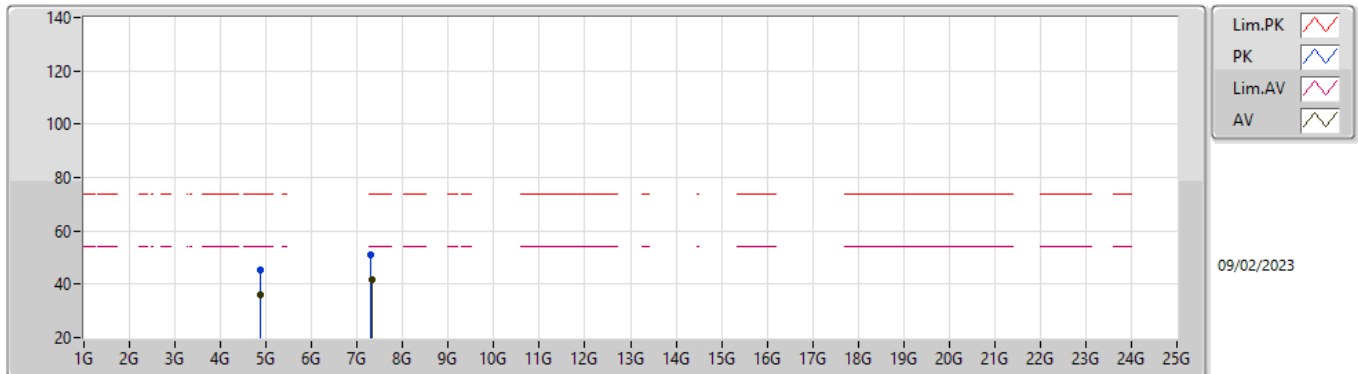


EUT Y_2TX
Setting 18
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	60.81	74.00	-13.19	29.98	3	Horizontal	56	1.46	-	27.64	3.19	-
AV	2.3898G	50.23	54.00	-3.77	19.40	3	Horizontal	56	1.46	-	27.64	3.19	-
PK	2.4374G	115.81	Inf	-Inf	84.87	3	Horizontal	56	1.46	-	27.70	3.24	-
AV	2.4378G	105.74	Inf	-Inf	74.80	3	Horizontal	56	1.46	-	27.70	3.24	-
PK	2.4835G	58.57	74.00	-15.43	27.46	3	Horizontal	56	1.46	-	27.83	3.28	-
AV	2.4854G	48.97	54.00	-5.03	17.84	3	Horizontal	56	1.46	-	27.84	3.29	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

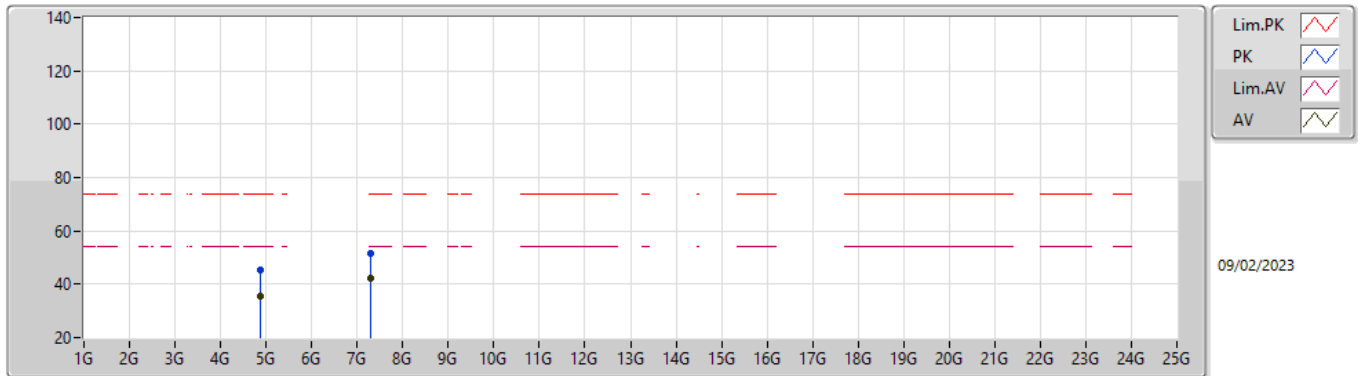


EUT Y_2TX
Setting 18
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8652G	45.12	74.00	-28.88	39.72	3	Vertical	228	2.30	-	32.73	5.30	32.63
AV	4.87904G	35.81	54.00	-18.19	30.37	3	Vertical	228	2.30	-	32.76	5.30	32.62
PK	7.30888G	51.21	74.00	-22.79	39.82	3	Vertical	16	2.27	-	37.70	6.91	33.22
AV	7.31604G	41.75	54.00	-12.25	30.35	3	Vertical	16	2.27	-	37.70	6.92	33.22

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_TX

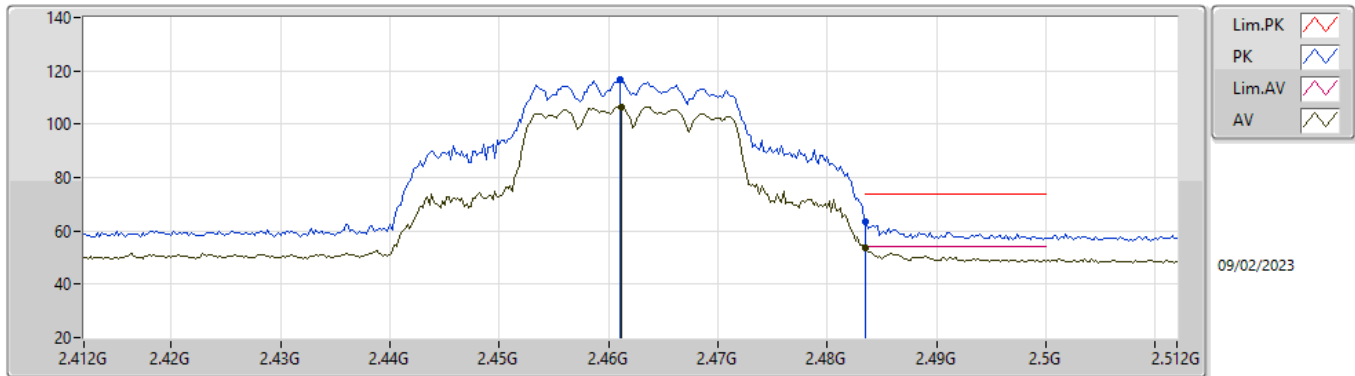


EUTY_2TX
Setting 18
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87216G	45.21	74.00	-28.79	39.80	3	Horizontal	249	2.63	-	32.74	5.30	32.63
AV	4.88384G	35.73	54.00	-18.27	30.28	3	Horizontal	249	2.63	-	32.77	5.30	32.62
PK	7.30852G	51.75	74.00	-22.25	40.35	3	Horizontal	51	2.91	-	37.70	6.91	33.21
AV	7.30184G	42.07	54.00	-11.93	30.68	3	Horizontal	51	2.91	-	37.70	6.90	33.21

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

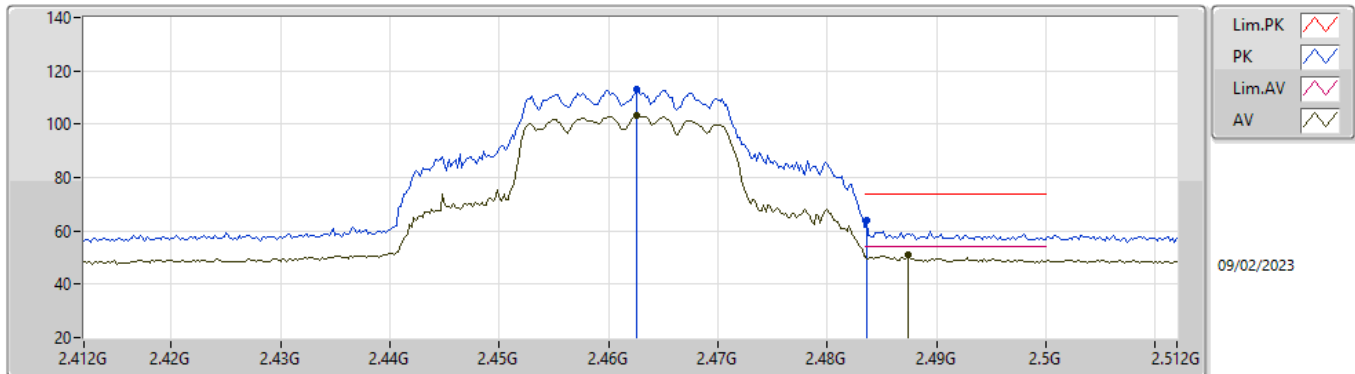


EUT Y_2TX
Setting 16.5
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.461G	116.75	Inf	-Inf	85.75	3	Vertical	102	1.64	-	27.74	3.26	-
AV	2.4612G	106.58	Inf	-Inf	75.58	3	Vertical	102	1.64	-	27.74	3.26	-
PK	2.4835G	63.65	74.00	-10.35	32.54	3	Vertical	102	1.64	-	27.83	3.28	-
AV	2.4835G	53.45	54.00	-0.55	22.34	3	Vertical	102	1.64	-	27.83	3.28	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

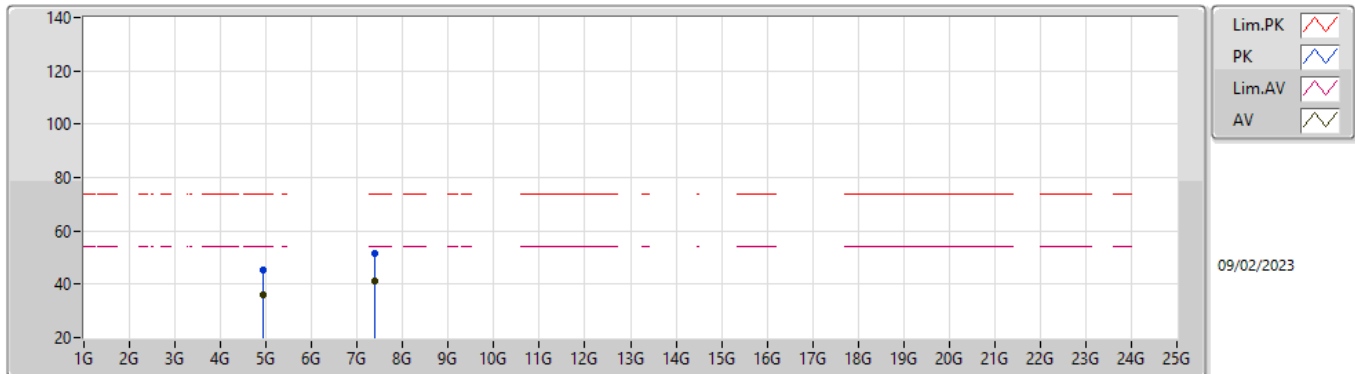


EUT Y_2TX
Setting 16.5
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4626G	113.23	Inf	-Inf	82.22	3	Horizontal	42	2.04	-	27.75	3.26	-
AV	2.4626G	103.26	Inf	-Inf	72.25	3	Horizontal	42	2.04	-	27.75	3.26	-
PK	2.4836G	63.87	74.00	-10.13	32.76	3	Horizontal	42	2.04	-	27.83	3.28	-
AV	2.4874G	50.84	54.00	-3.16	19.70	3	Horizontal	42	2.04	-	27.85	3.29	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

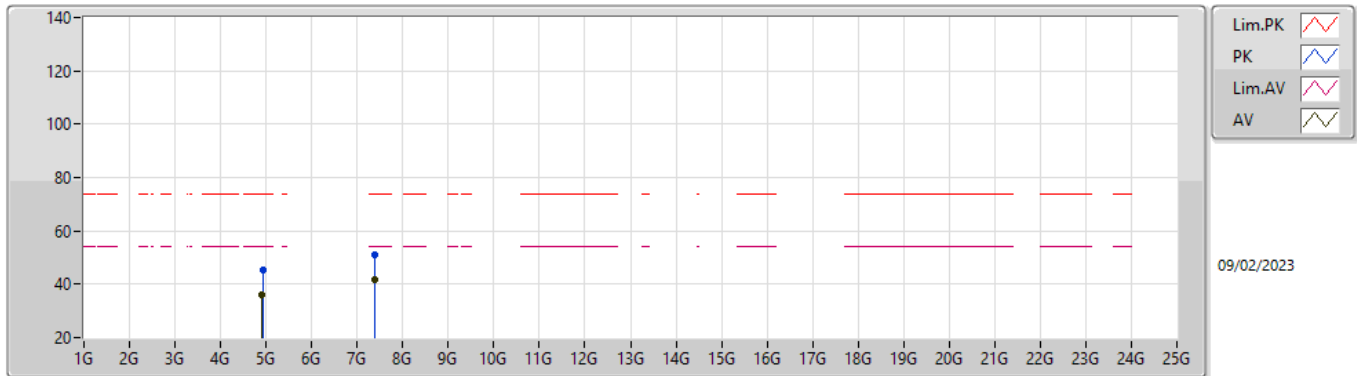


EUT Y_2TX
Setting 16.5
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.93072G	45.39	74.00	-28.61	39.83	3	Vertical	325	2.15	-	32.86	5.30	32.60
AV	4.93324G	36.08	54.00	-17.92	30.50	3	Vertical	325	2.15	-	32.87	5.30	32.59
PK	7.38852G	51.50	74.00	-22.50	40.20	3	Vertical	97	2.16	-	37.55	6.99	33.24
AV	7.37716G	41.40	54.00	-12.60	30.07	3	Vertical	97	2.16	-	37.59	6.98	33.24

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz_TX

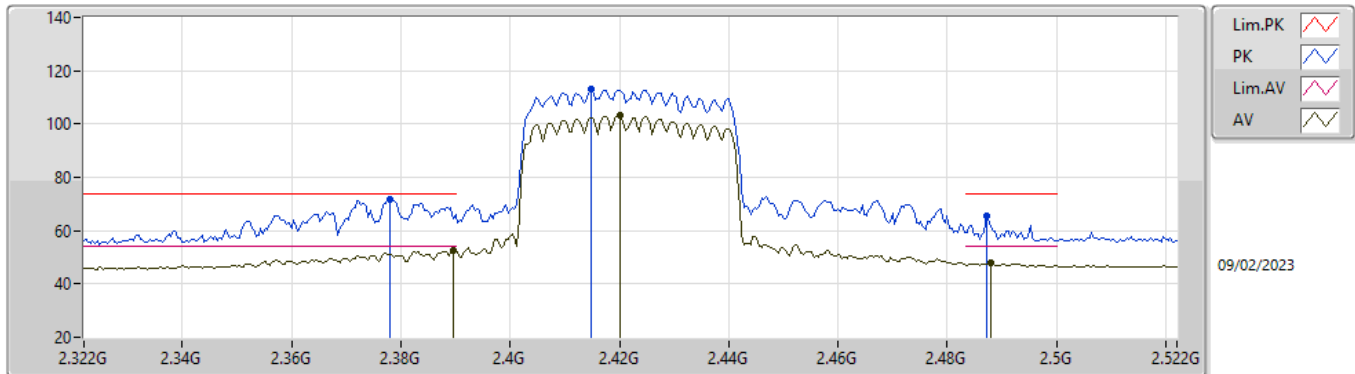


EUT Y_2TX
Setting 16.5
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.9234G	45.58	74.00	-28.42	40.03	3	Horizontal	254	1.33	-	32.85	5.30	32.60
AV	4.91856G	35.88	54.00	-18.12	30.34	3	Horizontal	254	1.33	-	32.84	5.30	32.60
PK	7.37968G	51.12	74.00	-22.88	39.80	3	Horizontal	7	1.46	-	37.58	6.98	33.24
AV	7.3814G	41.53	54.00	-12.47	30.22	3	Horizontal	7	1.46	-	37.57	6.98	33.24

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

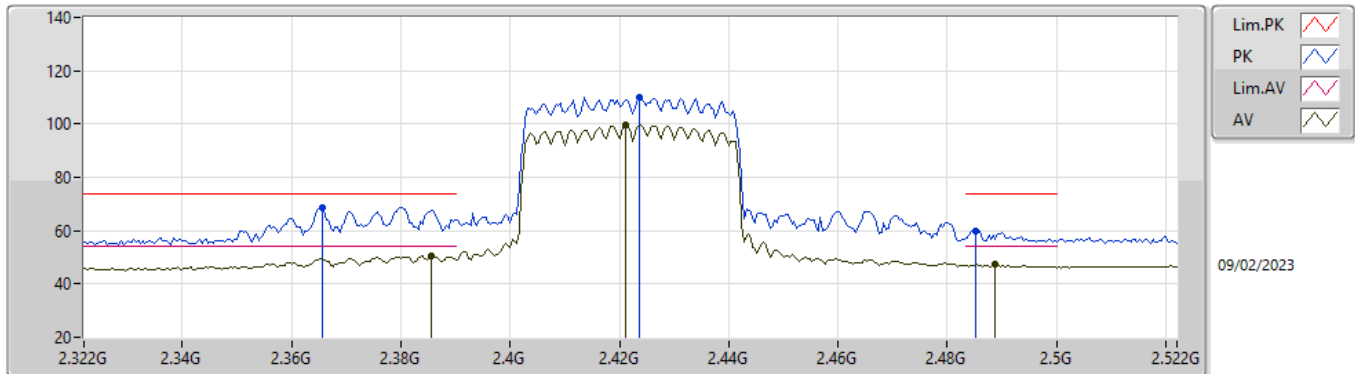


EUT Y_2TX
Setting 15.5
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.378G	71.83	74.00	-2.17	41.07	3	Vertical	101	1.62	-	27.57	3.19	-
AV	2.3896G	52.62	54.00	-1.38	21.79	3	Vertical	101	1.62	-	27.64	3.19	-
PK	2.4148G	113.35	Inf	-Inf	82.44	3	Vertical	101	1.62	-	27.70	3.21	-
AV	2.42G	103.27	Inf	-Inf	72.35	3	Vertical	101	1.62	-	27.70	3.22	-
PK	2.4872G	65.45	74.00	-8.55	34.31	3	Vertical	101	1.62	-	27.85	3.29	-
AV	2.488G	47.86	54.00	-6.14	16.72	3	Vertical	101	1.62	-	27.85	3.29	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

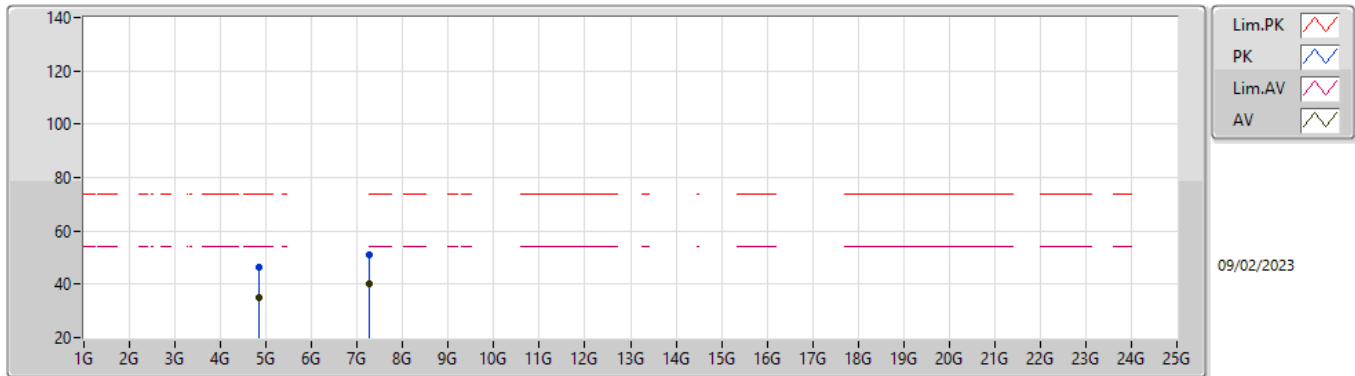


EUT Y_2TX
Setting 15.5
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3656G	68.79	74.00	-5.21	38.12	3	Horizontal	54	1.90	-	27.49	3.18	-
AV	2.3856G	50.60	54.00	-3.40	19.80	3	Horizontal	54	1.90	-	27.61	3.19	-
PK	2.4236G	109.82	Inf	-Inf	78.90	3	Horizontal	54	1.90	-	27.70	3.22	-
AV	2.4212G	99.46	Inf	-Inf	68.54	3	Horizontal	54	1.90	-	27.70	3.22	-
PK	2.4852G	60.06	74.00	-13.94	28.93	3	Horizontal	54	1.90	-	27.84	3.29	-
AV	2.4888G	47.46	54.00	-6.54	16.31	3	Horizontal	54	1.90	-	27.86	3.29	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

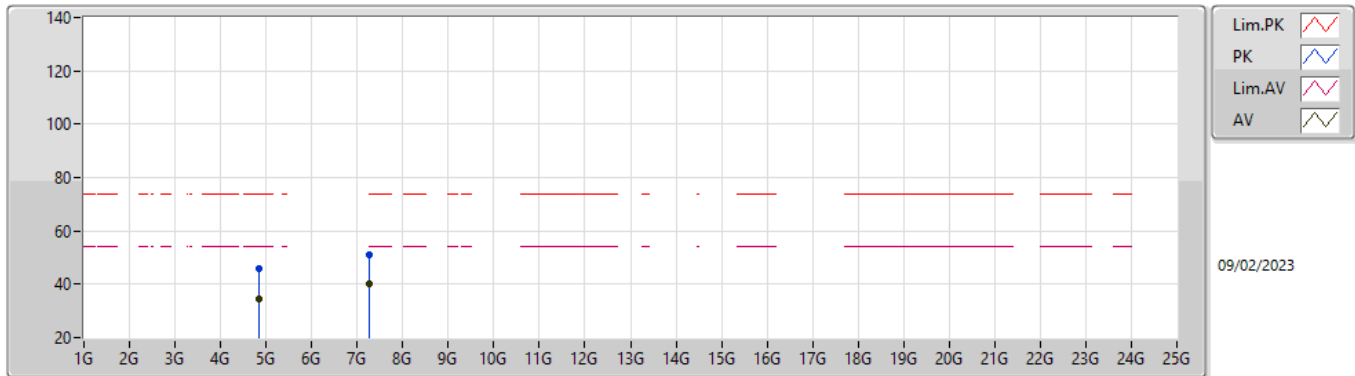


EUT Y_2TX
Setting 15.5
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.84372G	46.35	74.00	-27.65	41.00	3	Vertical	274	2.00	-	32.69	5.30	32.64
AV	4.84908G	34.75	54.00	-19.25	29.39	3	Vertical	274	2.00	-	32.70	5.30	32.64
PK	7.26984G	51.06	74.00	-22.94	39.87	3	Vertical	265	1.55	-	37.52	6.87	33.20
AV	7.26412G	40.16	54.00	-13.84	29.02	3	Vertical	265	1.55	-	37.48	6.86	33.20

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz_TX

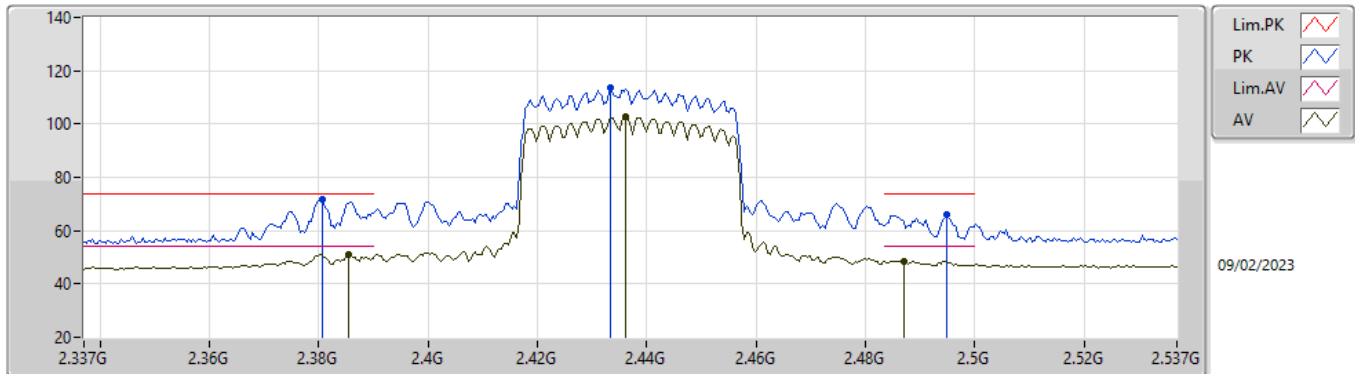


EUT Y_2TX
Setting 15.5
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.85104G	45.63	74.00	-28.37	40.27	3	Horizontal	103	1.30	-	32.70	5.30	32.64
AV	4.8428G	34.38	54.00	-19.62	29.03	3	Horizontal	103	1.30	-	32.69	5.30	32.64
PK	7.2742G	51.05	74.00	-22.95	39.83	3	Horizontal	78	1.62	-	37.55	6.87	33.20
AV	7.2722G	40.09	54.00	-13.91	28.89	3	Horizontal	78	1.62	-	37.53	6.87	33.20

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

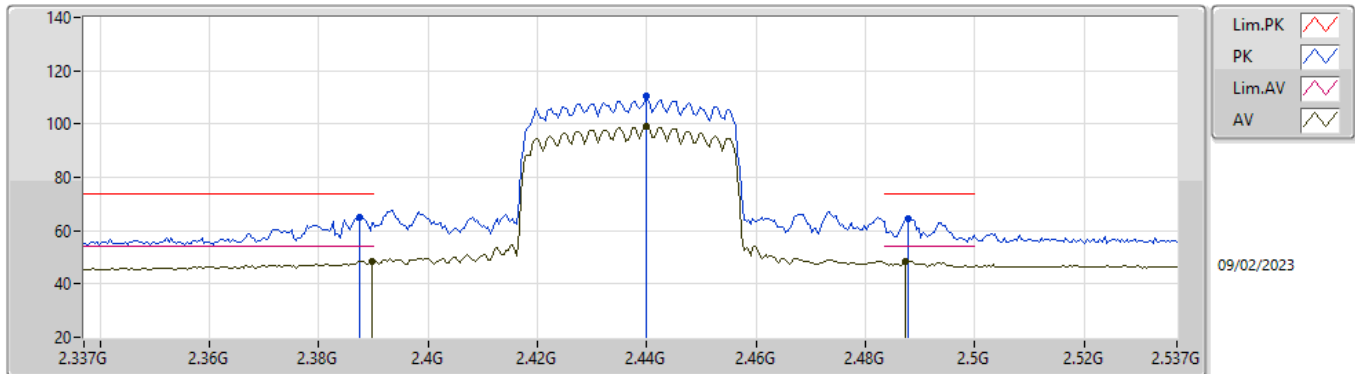


EUT Y_2TX
Setting 15.5
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3806G	71.95	74.00	-2.05	41.18	3	Vertical	102	2.27	-	27.58	3.19	-
AV	2.3854G	51.23	54.00	-2.77	20.43	3	Vertical	102	2.27	-	27.61	3.19	-
PK	2.4334G	113.43	Inf	-Inf	82.50	3	Vertical	102	2.27	-	27.70	3.23	-
AV	2.4362G	102.80	Inf	-Inf	71.86	3	Vertical	102	2.27	-	27.70	3.24	-
PK	2.495G	65.88	74.00	-8.12	34.71	3	Vertical	102	2.27	-	27.88	3.29	-
AV	2.487G	48.62	54.00	-5.38	17.48	3	Vertical	102	2.27	-	27.85	3.29	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

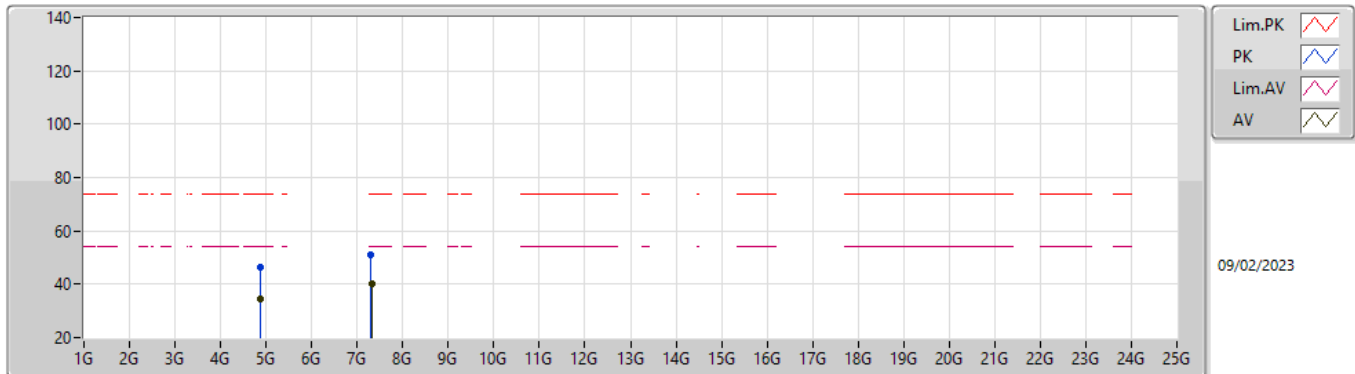


EUT Y_2TX
Setting 15.5
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3874G	65.16	74.00	-8.84	34.35	3	Horizontal	40	1.80	-	27.62	3.19	-
AV	2.3898G	48.56	54.00	-5.44	17.73	3	Horizontal	40	1.80	-	27.64	3.19	-
PK	2.4398G	110.44	Inf	-Inf	79.50	3	Horizontal	40	1.80	-	27.70	3.24	-
AV	2.4398G	98.94	Inf	-Inf	68.00	3	Horizontal	40	1.80	-	27.70	3.24	-
PK	2.4878G	64.52	74.00	-9.48	33.38	3	Horizontal	40	1.80	-	27.85	3.29	-
AV	2.4874G	48.24	54.00	-5.76	17.10	3	Horizontal	40	1.80	-	27.85	3.29	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

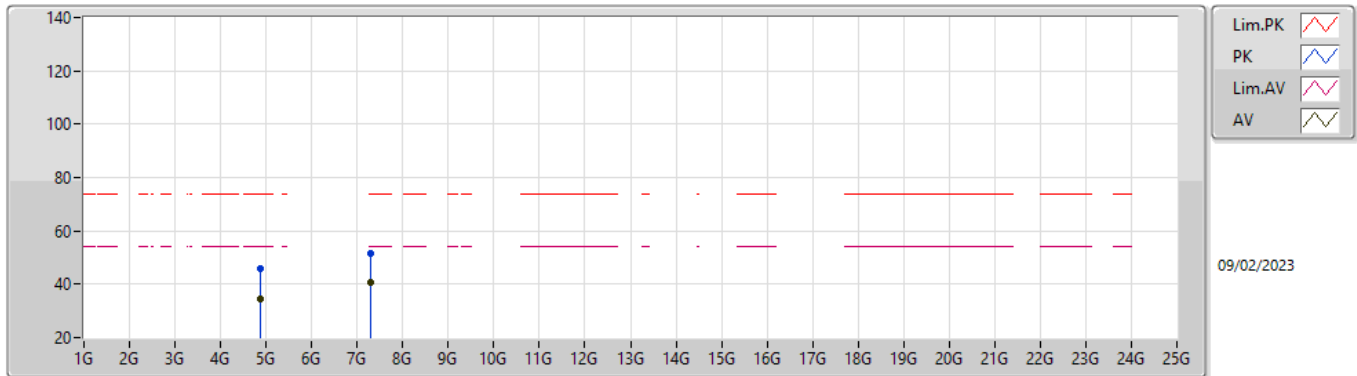


EUT Y_2TX
Setting 15.5
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8658G	46.30	74.00	-27.70	40.90	3	Vertical	223	1.07	-	32.73	5.30	32.63
AV	4.87356G	34.24	54.00	-19.76	28.82	3	Vertical	223	1.07	-	32.75	5.30	32.63
PK	7.30464G	51.06	74.00	-22.94	39.67	3	Vertical	321	2.86	-	37.70	6.90	33.21
AV	7.31864G	40.40	54.00	-13.60	29.00	3	Vertical	321	2.86	-	37.70	6.92	33.22

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz_TX

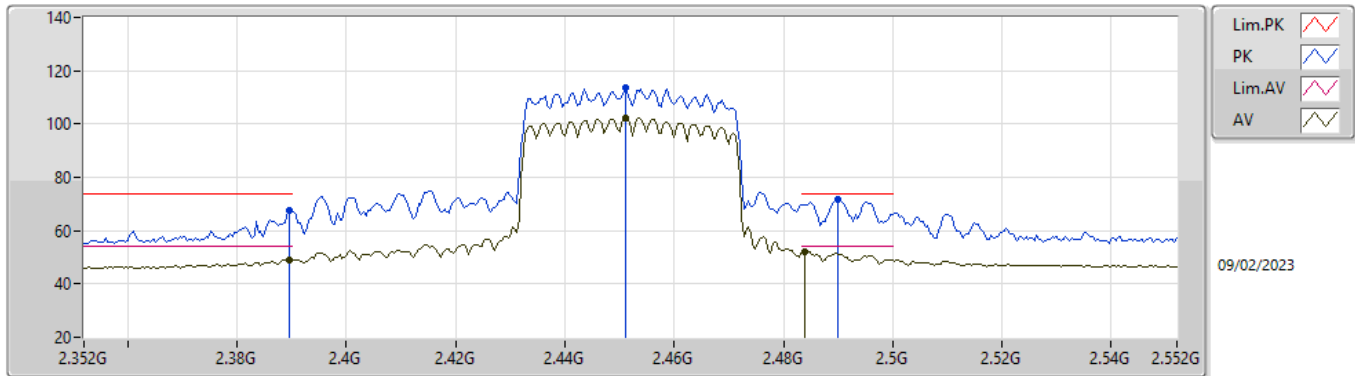


EUT Y_2TX
Setting 15.5
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.866G	45.75	74.00	-28.25	40.35	3	Horizontal	108	2.45	-	32.73	5.30	32.63
AV	4.87168G	34.47	54.00	-19.53	29.06	3	Horizontal	108	2.45	-	32.74	5.30	32.63
PK	7.30588G	51.31	74.00	-22.69	39.91	3	Horizontal	31	1.30	-	37.70	6.91	33.21
AV	7.30856G	40.44	54.00	-13.56	29.04	3	Horizontal	31	1.30	-	37.70	6.91	33.21

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

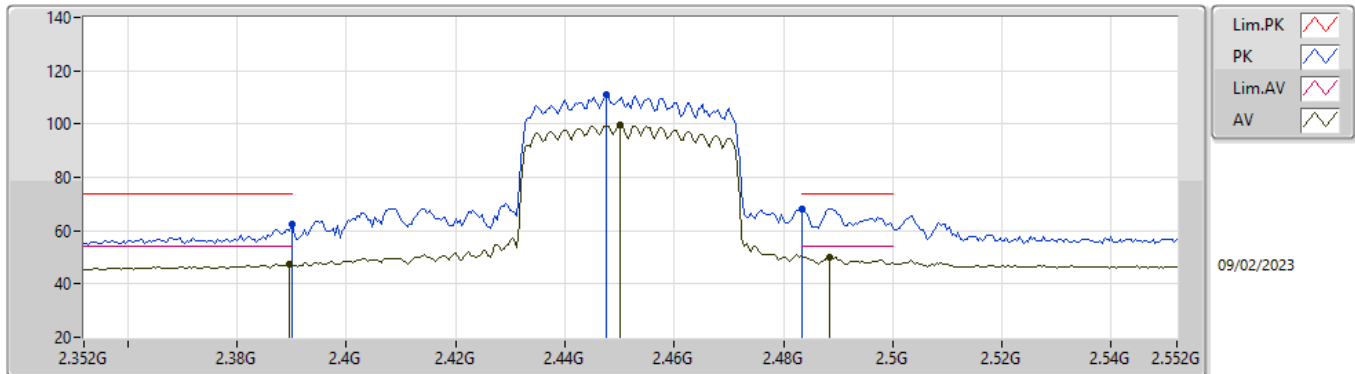


EUT Y_2TX
Setting 16
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	67.68	74.00	-6.32	36.85	3	Vertical	104	1.78	-	27.64	3.19	-
AV	2.3896G	49.21	54.00	-4.79	18.38	3	Vertical	104	1.78	-	27.64	3.19	-
PK	2.4512G	113.53	Inf	-Inf	82.58	3	Vertical	104	1.78	-	27.70	3.25	-
AV	2.4512G	102.36	Inf	-Inf	71.41	3	Vertical	104	1.78	-	27.70	3.25	-
PK	2.49G	71.85	74.00	-2.15	40.70	3	Vertical	104	1.78	-	27.86	3.29	-
AV	2.484G	52.25	54.00	-1.75	21.13	3	Vertical	104	1.78	-	27.84	3.28	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

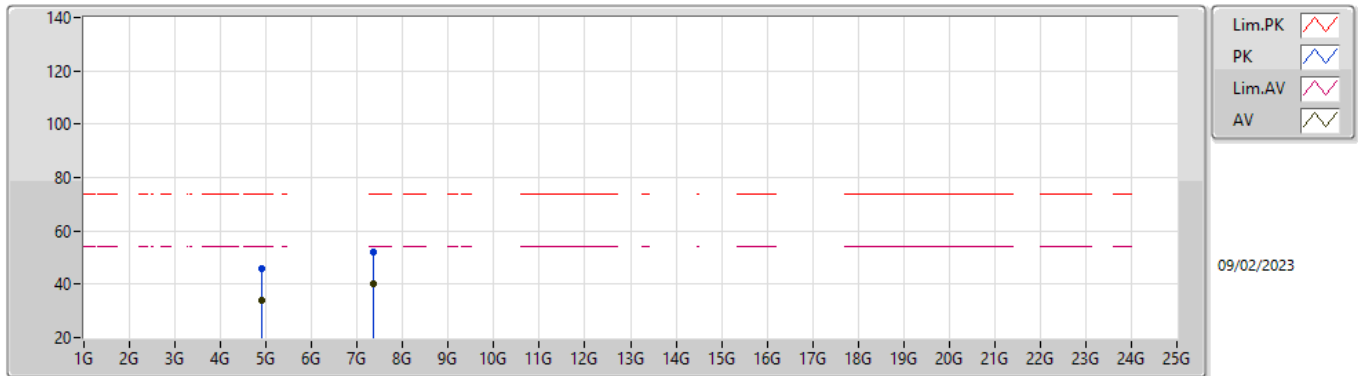


EUT Y_2TX
Setting 16
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	62.51	74.00	-11.49	31.67	3	Horizontal	57	2.10	-	27.64	3.20	-
AV	2.3896G	47.31	54.00	-6.69	16.48	3	Horizontal	57	2.10	-	27.64	3.19	-
PK	2.4476G	111.19	Inf	-Inf	80.24	3	Horizontal	57	2.10	-	27.70	3.25	-
AV	2.45G	99.42	Inf	-Inf	68.47	3	Horizontal	57	2.10	-	27.70	3.25	-
PK	2.4835G	68.15	74.00	-5.85	37.04	3	Horizontal	57	2.10	-	27.83	3.28	-
AV	2.4884G	50.25	54.00	-3.75	19.11	3	Horizontal	57	2.10	-	27.85	3.29	-

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX

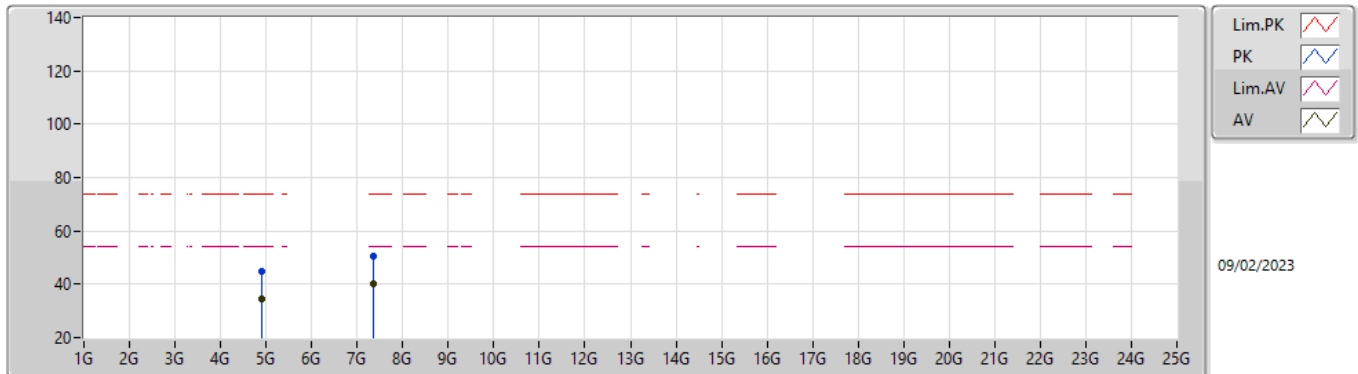


EUT Y_2TX
Setting 16
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.90668G	45.90	74.00	-28.10	40.40	3	Vertical	138	2.63	-	32.81	5.30	32.61
AV	4.9114G	34.18	54.00	-19.82	28.67	3	Vertical	138	2.63	-	32.82	5.30	32.61
PK	7.34656G	51.93	74.00	-22.07	40.51	3	Vertical	266	1.80	-	37.70	6.95	33.23
AV	7.3468G	40.35	54.00	-13.65	28.93	3	Vertical	266	1.80	-	37.70	6.95	33.23

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz_TX



EUT Y_2TX
Setting 16
04-H-G-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.90532G	44.80	74.00	-29.20	39.30	3	Horizontal	59	2.96	-	32.81	5.30	32.61
AV	4.91132G	34.31	54.00	-19.69	28.80	3	Horizontal	59	2.96	-	32.82	5.30	32.61
PK	7.3468G	50.71	74.00	-23.29	39.29	3	Horizontal	130	1.87	-	37.70	6.95	33.23
AV	7.3482G	40.07	54.00	-13.93	28.65	3	Horizontal	130	1.87	-	37.70	6.95	33.23